API Well Number: 43013512030000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Ute Tribal 4-24-3-2WH

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
WILDCAT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
1420H626388

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ● STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ●

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Western Fluids Services (Tracy Morris)

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-790-1077

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
5550 S 1500 E, Vernal, UT 84078

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
Ute Indian Tribe

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ●

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	295 FNL 382 FWL	NWNW	24	3.0 S	2.0 W	U
Top of Uppermost Producing Zone	660 FNL 660 FWL	NWNW	24	3.0 S	2.0 W	U
At Total Depth	660 FSL 660 FWL	SWSW	24	3.0 S	2.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
295

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
0

26. PROPOSED DEPTH
MD: 13334 TVD: 9085

27. ELEVATION - GROUND LEVEL
5122

28. BOND NUMBER
RLB00100473

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 2500	36.0	J-55 ST&C	0.0	Premium Lite High Strength	204	3.53	11.0
							Class G	154	1.17	15.8
I1	8.75	7	0 - 9533	26.0	P-110 Other	10.5	Premium Lite High Strength	250	3.53	11.0
							50/50 Poz	478	1.24	14.3
PROD	6.125	4.5	8647 - 13334	13.5	P-110 Other	10.5	50/50 Poz	409	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Don Hamilton | **TITLE** Permitting Agent | **PHONE** 435 719-2018

SIGNATURE | **DATE** 01/29/2012 | **EMAIL** starpoint@etv.net

API NUMBER ASSIGNED
43013512030000

APPROVAL

Permit Manager

CONFIDENTIAL

RECEIVED: March 05, 2012

Newfield Production Company
Ute Tribal 4-24-3-2WH
Surface Hole Location: 295' FNL, 382' FWL, Section 24, T3S, R2W
Bottom Hole Location: 660' FSL, 660' FWL, Section 24, T3S, R2W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,310'
Garden Gulch member	6,105'
Wasatch	8,490'
Lateral TD	9,085' TVD / 13,334' MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	1,135'		(water)
Green River	6,105'	- 8,490'	(oil)
Wasatch	8,490'	- 9,085'	(oil)

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system. A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Description	Interval Top	Interval Bottom (TVD/MD)	Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld	--	--	--	--	--	--
14									--	--	--
Surface	0'	2,500'	36	J-55	LTC	8.33	8.33	12	3,520	2,020	453,000
9 5/8									2.51	2.54	5.03
Intermediate	0'	9,217'	26	P-110	BTC	10	10.5	15	9,960	6,210	830,000
7		9,533'							2.57	1.51	3.35
Production	8,647'	9,085'	13.5	P-110	BTC	10	10.5	--	12,410	10,670	422,000
4 1/2		13,334'							3.25	2.63	6.67

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

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Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41 / 35	15%	15.8	1.17
Surface Lead	12 1/4	2,000'	Premium Lite II w/ 3% KCl + 10% bentonite	720 / 204	15%	11.0	3.53
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180 / 154	15%	15.8	1.17
Intermediate Lead	8 3/4	5,105'	Premium Lite II w/ 3% KCl + 10% bentonite	883 / 250	15%	11.0	3.53
Intermediate Tail	8 3/4	3,428'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	593 / 478	15%	14.3	1.24
Production	6 1/8	4,687'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	508 / 409	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval **Description**

Surface - 2,500' An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

2,500' - TD A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.
Anticipated maximum mud weight is 10.5 ppg.

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7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.52 psi/ft gradient.

9,085' x 0.52 psi/ft = 4724 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

An 8-3/4" vertical hole will be drilled to a kick off point of 8,697' .
Directional tools will then be used to build to 91.99 degrees inclination.
The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat.
A liner will be run and cemented in place. The top of the liner will be placed 50' above KOP and will be isolated with a liner top packer.

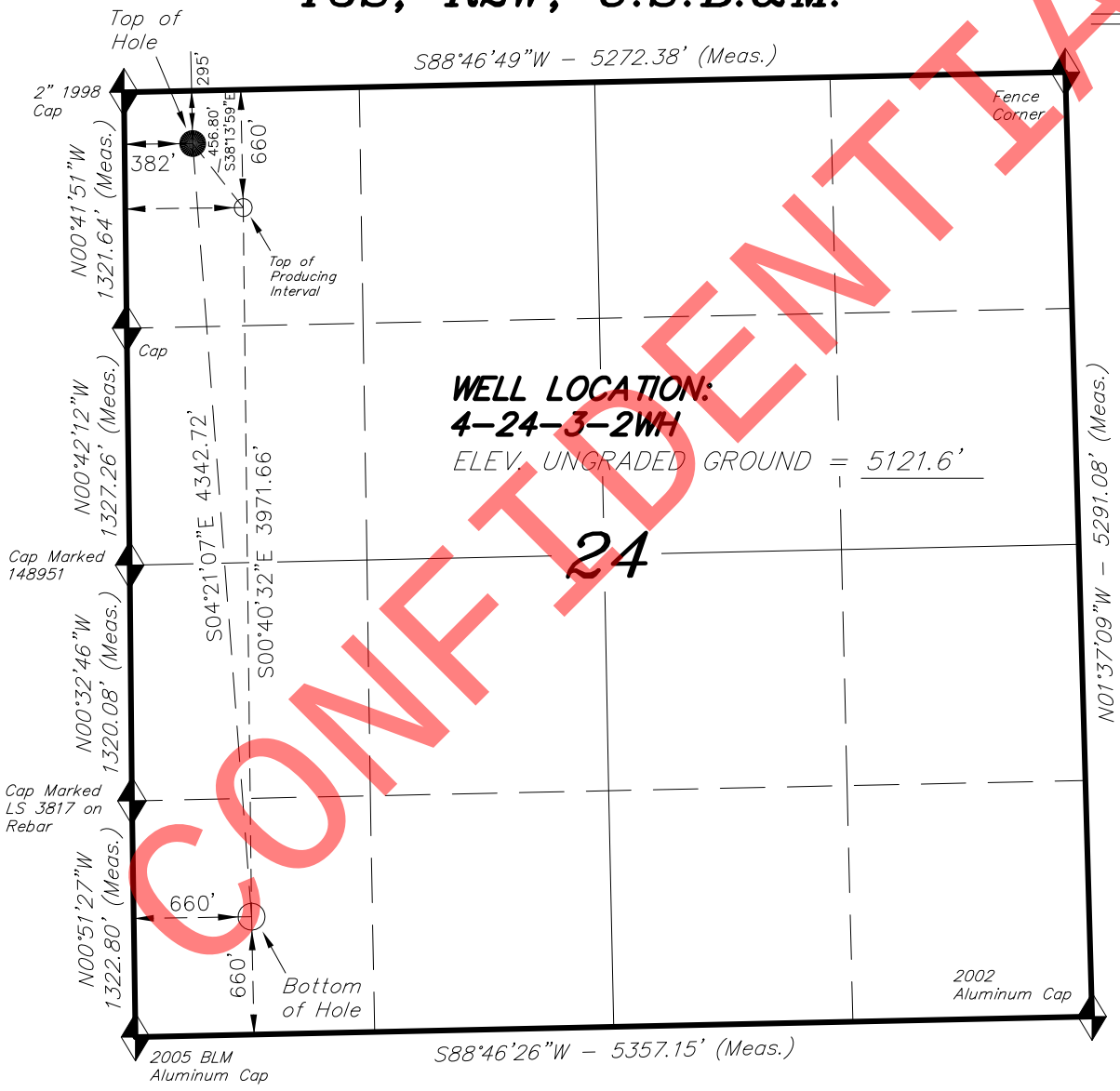
Newfield requests the following variances from Onshore Order #2:
- Variance from Onshoer Order #2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

RECEIVED: January 29, 2012

API Well Number: 43013512030000

T3S, R2W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

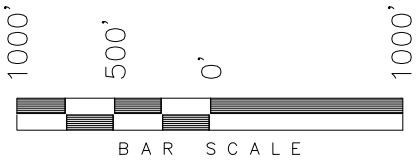


◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

WELL LOCATION, 4-24-3-2WH, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 24, T3S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 4-24-3-2WH, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 24, T3S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. Top of Producing Interval Footages are 660' FNL & 660' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 12-30-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

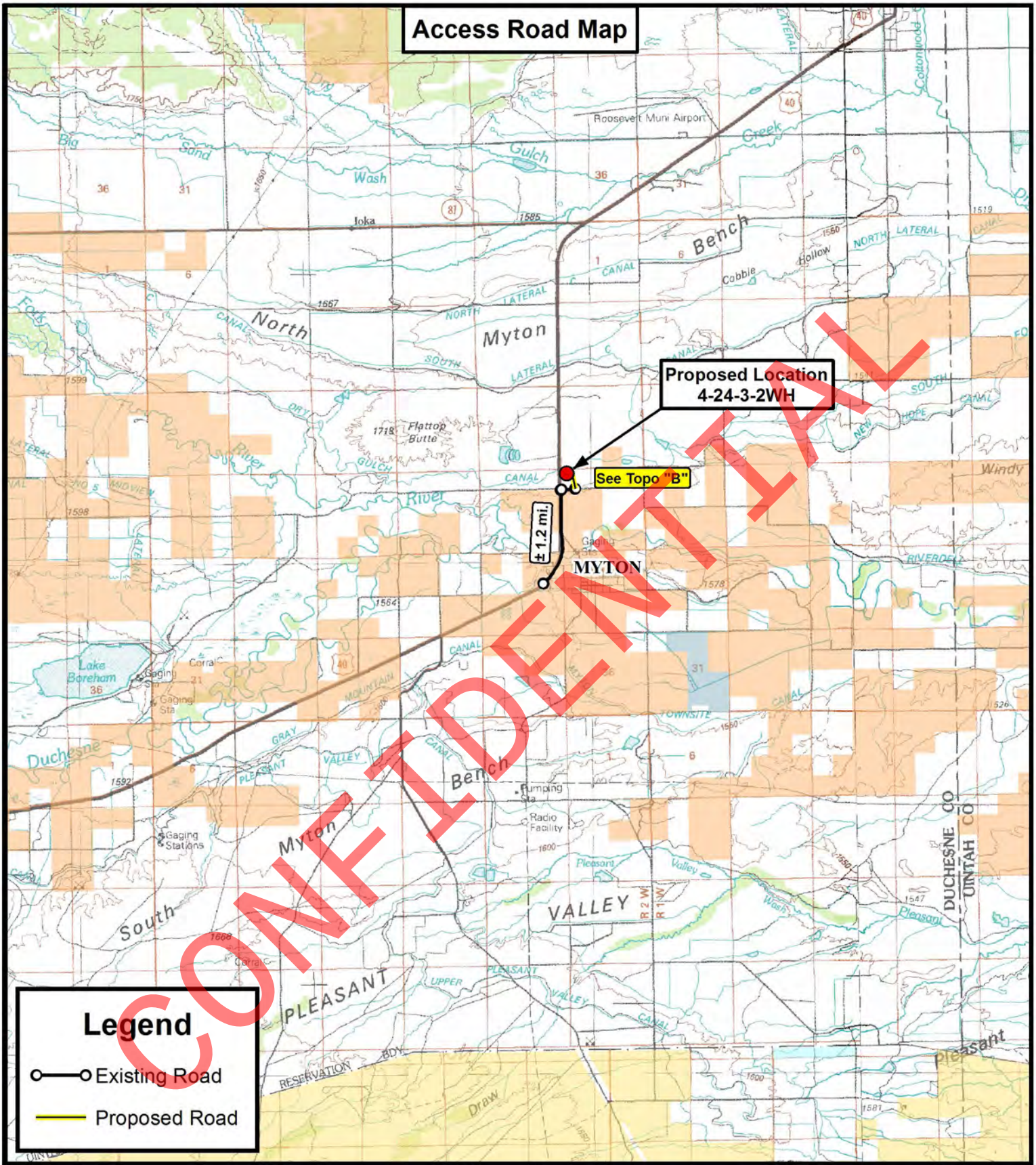
4-24-3-2WH
(Surface Location) NAD 83
LATITUDE = 40° 12' 51.07"
LONGITUDE = 110° 03' 57.19"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-07-11	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 12-08-11	DRAWN BY: F.T.M.	V2
REVISED: 12-22-11 – M.W.	SCALE: 1" = 1000'	

RECEIVED: January 29, 2012

API Well Number: 43013512030000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

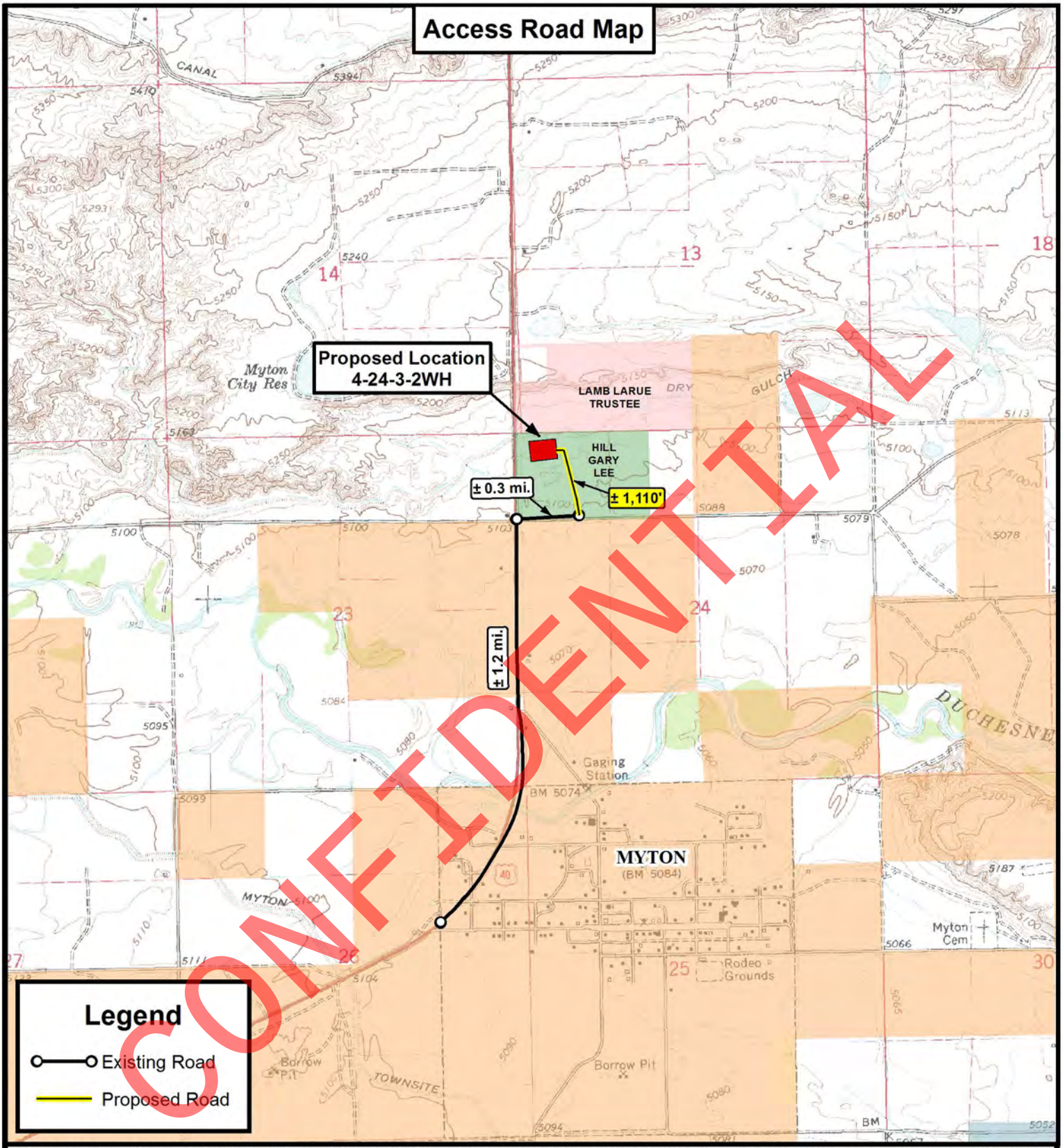
4-24-3-2WH
SEC. 24, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	12-22-11 D.C.R.	VERSION:
DATE:	12-08-2011			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013512030000



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

4-24-3-2WH
SEC. 24, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

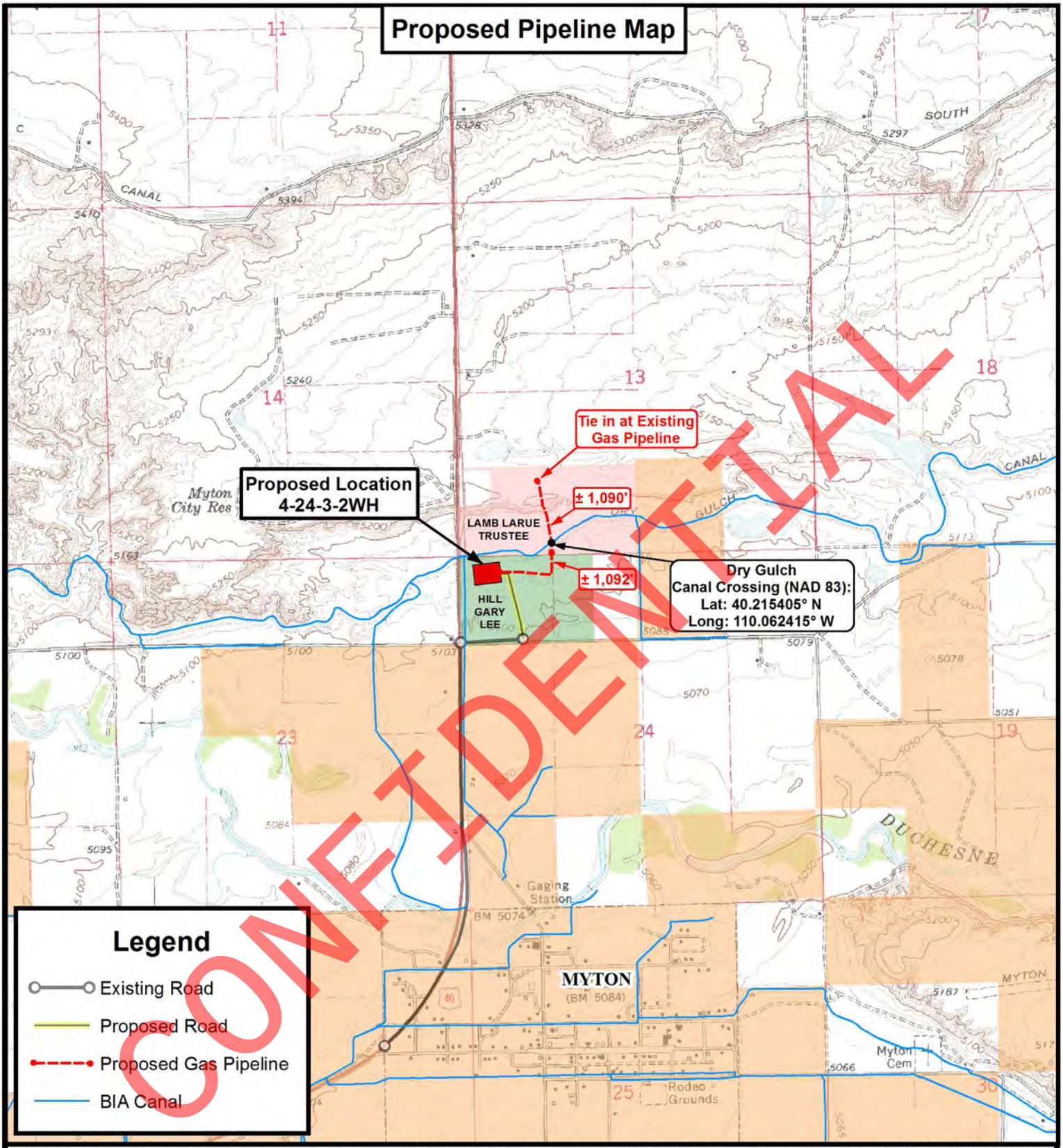
DRAWN BY:	A.P.C.	REVISED:	12-22-11 D.C.R.	VERSION:
DATE:	12-08-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013512030000

Proposed Pipeline Map



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Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

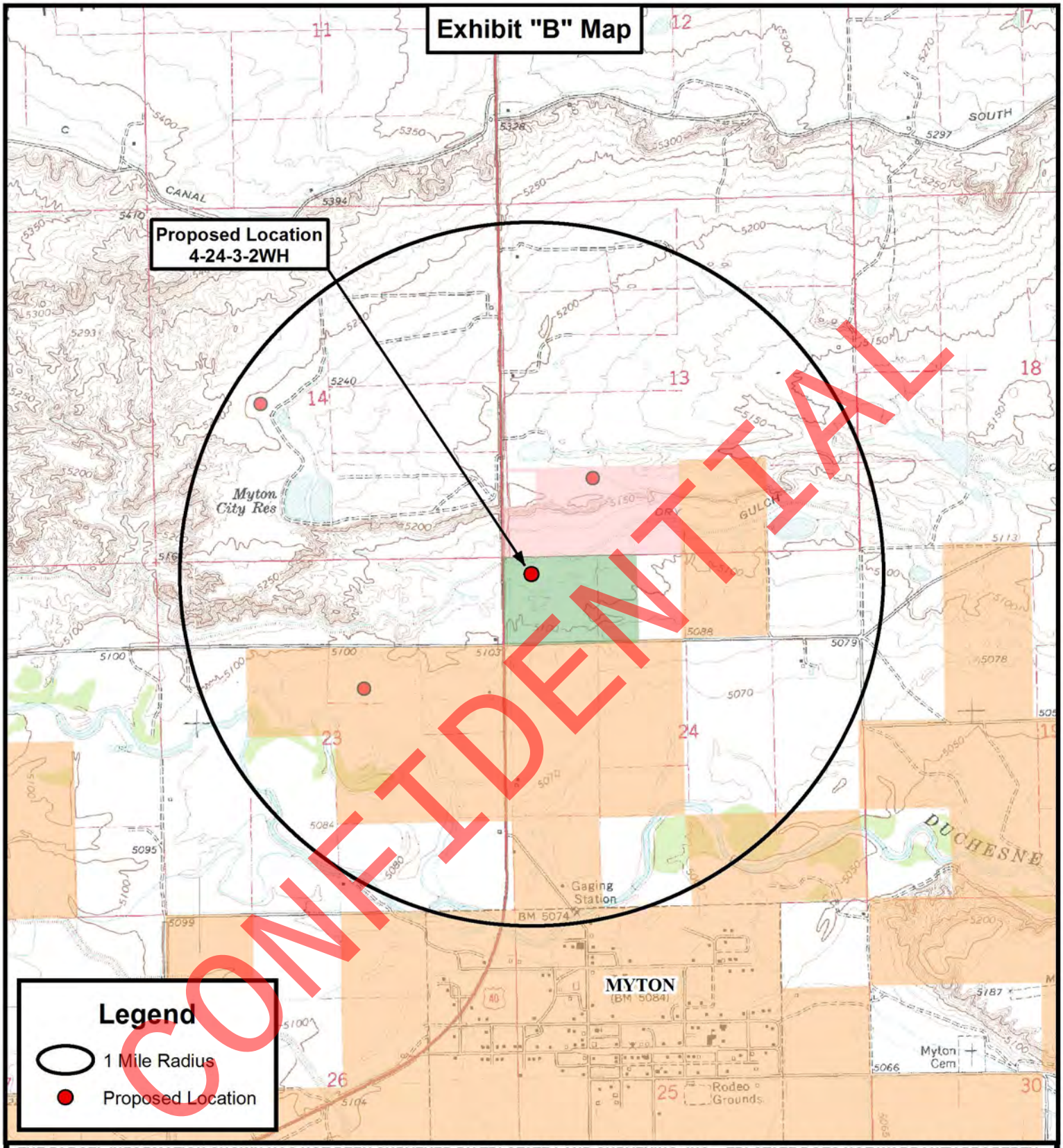
4-24-3-2WH
SEC. 24, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	12-22-11 D.C.R.	VERSION:	V2
DATE:	12-08-2011				
SCALE:	1 " = 2,000 '				

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013512030000



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Tri State Land Surveying, Inc.
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P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

4-24-3-2WH
SEC. 24, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	12-22-11 D.C.R.	VERSION:
DATE:	12-08-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013512030000

NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT

TRIBAL 4-24-3-2WH

Plan: Design #1

Standard Survey Report

26 JANUARY, 2012

Weatherford®

RECEIVED: January 29, 2012

API Well Number: 43013512030000

NEWFIELD

Weatherford

Project:	DUCHESNE COUNTY, UT
Site:	TRIBAL 4-24-3-2WH
Well:	TRIBAL 4-24-3-2WH
Wellbore:	TRIBAL 4-24-3-2WH
Design:	Design #1
Latitude:	40° 12' 50.770 N
Longitude:	110° 3' 48.580 W
GL:	5119.30
KB:	WELL @ 5137.30ft (PIONEER 68)

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHLTRIBAL 4-24-3-2WH	9085.00	-4310.67	-339.07	40° 12' 8.169 N	110° 3' 52.950 W	Point

WELL DETAILS: TRIBAL 4-24-3-2WH

Ground Level: 5119.30

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7249934.18	2041563.55	40° 12' 50.770 N	110° 3' 48.580 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8696.50	0.00	0.00	8696.50	0.00	0.00	0.00	0.00	0.00	Start Build 11.00
9532.77	91.99	195.00	9217.06	-520.59	-139.49	11.00	195.00	529.93	Start DLS 3.00 TFO -89.78
9955.49	91.99	182.31	9202.32	-937.39	-202.94	3.00	-89.78	950.41	Start 3378.06 hold at 9955.49 MD
13333.55	91.99	182.31	9085.00	-4310.67	-339.07	0.00	0.00	4323.98	TD at 13333.55

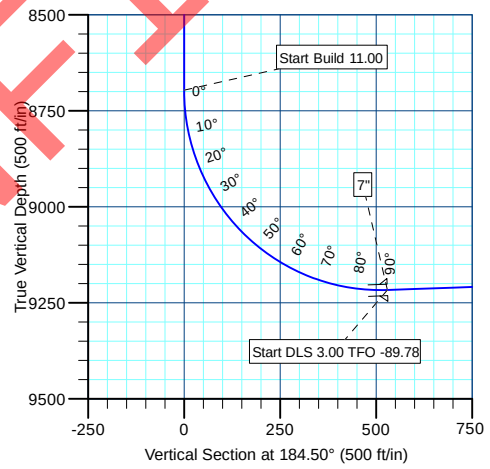
T M

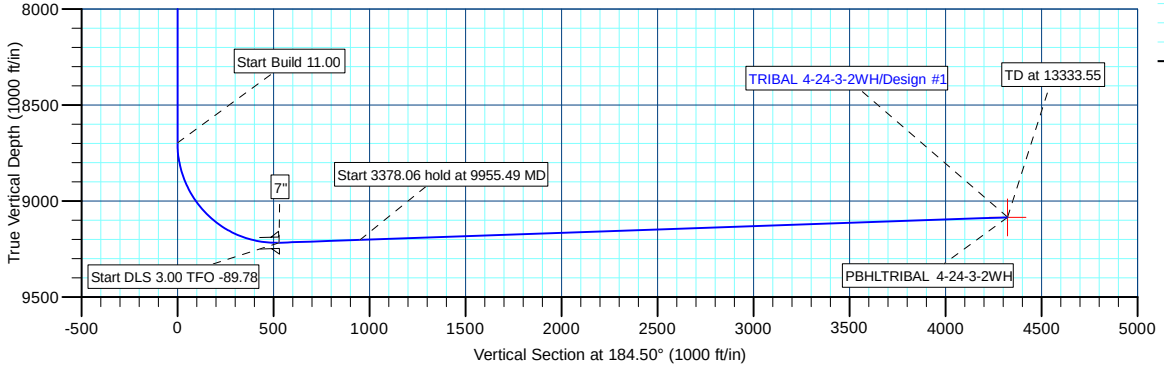
Azimuths to True North
Magnetic North: 11.30°

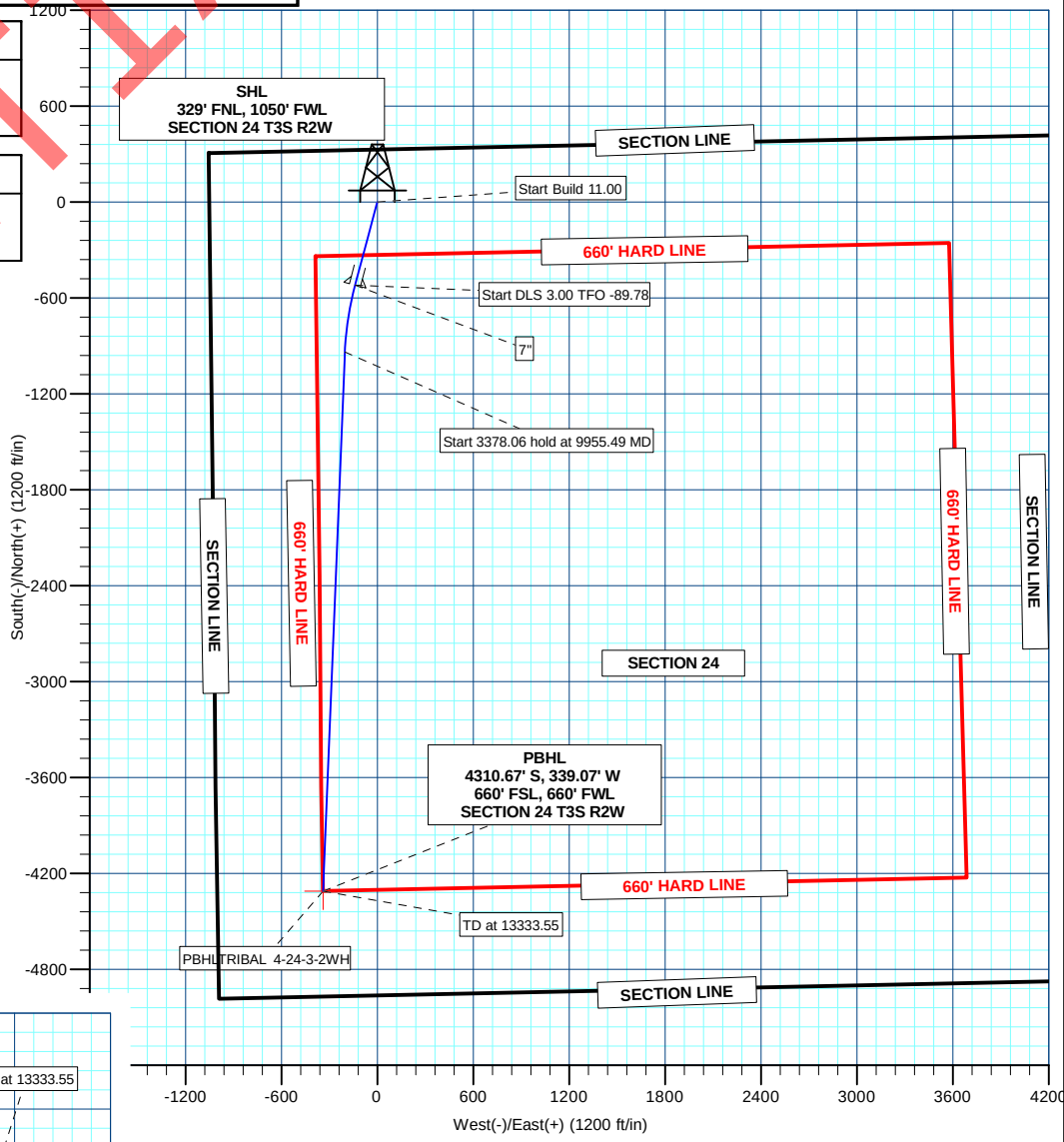
Magnetic Field
Strength: 52256.6snT
Dip Angle: 65.90°
Date: 1/25/2012
Model: BGGM2011

CASING DETAILS

TVD	MD	Name	Size
9217.06	9532.77	7"	7







Plan: Design #1 (TRIBAL 4-24-3-2WH/TRIBAL 4-24-3-2WH)

Created By: TRACY WILLIAMS Date: 14:04, January 26 2012

API Well Number: 43013512030000

NEWFIELD

NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT
TRIBAL 4-24-3-2WH
TRIBAL 4-24-3-2WH

TRIBAL 4-24-3-2WH

Plan: Design #1

Standard Planning Report

26 January, 2012

Weatherford®

RECEIVED: January 29, 2012

NEWFIELD

Weatherford International Ltd.

Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site TRIBAL 4-24-3-2WH
Company:	NEWFIELD EXPLORATION CO.	**TVD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	**MD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Site:	TRIBAL 4-24-3-2WH	**North Reference:**	True
Well:	TRIBAL 4-24-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	TRIBAL 4-24-3-2WH		
Design:	Design #1		

Project DUCHESNE COUNTY, UT

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site TRIBAL 4-24-3-2WH

Site Position:		**Northing:**	7,249,934.18 ft	**Latitude:**	40° 12' 50.770 N
From:	Lat/Long	**Easting:**	2,041,563.55 ft	**Longitude:**	110° 3' 48.580 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.92 °

Well TRIBAL 4-24-3-2WH

Well Position	**+N/-S**	0.00 ft	**Northing:**	7,249,934.18 ft	**Latitude:**	40° 12' 50.770 N
	+E/-W	0.00 ft	**Easting:**	2,041,563.55 ft	**Longitude:**	110° 3' 48.580 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,119.30 ft

Wellbore TRIBAL 4-24-3-2WH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	1/25/2012	11.30	65.90	52,257

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	184.50

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8,696.50	0.00	0.00	8,696.50	0.00	0.00	0.00	0.00	0.00	0.00	
9,532.77	91.99	195.00	9,217.06	-520.59	-139.49	11.00	11.00	0.00	195.00	
9,955.49	91.99	182.31	9,202.32	-937.39	-202.94	3.00	0.00	-3.00	-89.78	
13,333.55	91.99	182.31	9,085.00	-4,310.67	-339.07	0.00	0.00	0.00	0.00	PBHLTRIBAL 4-24-

RECEIVED: January 29, 2012

NEWFIELD

Weatherford International Ltd.

Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site TRIBAL 4-24-3-2WH
Company:	NEWFIELD EXPLORATION CO.	**TVD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	**MD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Site:	TRIBAL 4-24-3-2WH	**North Reference:**	True
Well:	TRIBAL 4-24-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	TRIBAL 4-24-3-2WH		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

RECEIVED: January 29, 2012

NEWFIELD

Weatherford International Ltd.

Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site TRIBAL 4-24-3-2WH
Company:	NEWFIELD EXPLORATION CO.	**TVD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	**MD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Site:	TRIBAL 4-24-3-2WH	**North Reference:**	True
Well:	TRIBAL 4-24-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	TRIBAL 4-24-3-2WH		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 11.00									
8,696.50	0.00	0.00	8,696.50	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.38	195.00	8,700.00	-0.01	0.00	0.01	11.00	11.00	0.00
8,750.00	5.88	195.00	8,749.91	-2.65	-0.71	2.70	11.00	11.00	0.00
8,800.00	11.38	195.00	8,799.32	-9.90	-2.65	10.08	11.00	11.00	0.00
8,850.00	16.88	195.00	8,847.79	-21.69	-5.81	22.08	11.00	11.00	0.00
8,900.00	22.38	195.00	8,894.86	-37.91	-10.16	38.59	11.00	11.00	0.00
8,950.00	27.88	195.00	8,940.11	-58.42	-15.65	59.47	11.00	11.00	0.00
9,000.00	33.38	195.00	8,983.12	-83.02	-22.24	84.51	11.00	11.00	0.00
9,050.00	38.88	195.00	9,023.48	-111.49	-29.87	113.49	11.00	11.00	0.00
9,100.00	44.38	195.00	9,060.84	-143.56	-38.47	146.14	11.00	11.00	0.00
9,150.00	49.88	195.00	9,094.84	-178.95	-47.95	182.16	11.00	11.00	0.00
9,200.00	55.38	195.00	9,125.17	-217.32	-58.23	221.22	11.00	11.00	0.00
9,250.00	60.88	195.00	9,151.56	-258.32	-69.22	262.95	11.00	11.00	0.00
9,300.00	66.38	195.00	9,173.75	-301.58	-80.81	306.98	11.00	11.00	0.00
9,350.00	71.88	195.00	9,191.55	-346.69	-92.89	352.91	11.00	11.00	0.00
9,400.00	77.38	195.00	9,204.80	-393.24	-105.37	400.29	11.00	11.00	0.00
9,450.00	82.88	195.00	9,213.36	-440.80	-118.11	448.71	11.00	11.00	0.00
9,500.00	88.38	195.00	9,217.16	-488.94	-131.01	497.71	11.00	11.00	0.00
Start DLS 3.00 TFO -89.78 - 7"									

NEWFIELD

Weatherford International Ltd.

Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site TRIBAL 4-24-3-2WH
Company:	NEWFIELD EXPLORATION CO.	**TVD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	**MD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Site:	TRIBAL 4-24-3-2WH	**North Reference:**	True
Well:	TRIBAL 4-24-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	TRIBAL 4-24-3-2WH		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,532.77	91.99	195.00	9,217.06	-520.59	-139.49	529.93	11.00	11.00	0.00
9,600.00	92.00	192.98	9,214.72	-585.78	-155.74	596.19	3.00	0.01	-3.00
9,700.00	92.00	189.98	9,211.23	-683.71	-175.63	695.38	3.00	0.01	-3.00
9,800.00	92.00	186.98	9,207.74	-782.55	-190.36	795.06	3.00	0.00	-3.00
9,900.00	92.00	183.98	9,204.25	-882.02	-199.90	894.98	3.00	-0.01	-3.00
Start 3378.06 hold at 9955.49 MD									
9,955.49	91.99	182.31	9,202.32	-937.39	-202.94	950.41	3.00	-0.01	-3.00
10,000.00	91.99	182.31	9,200.77	-981.84	-204.73	994.87	0.00	0.00	0.00
10,100.00	91.99	182.31	9,197.30	-1,081.69	-208.76	1,094.73	0.00	0.00	0.00
10,200.00	91.99	182.31	9,193.83	-1,181.55	-212.79	1,194.60	0.00	0.00	0.00
10,300.00	91.99	182.31	9,190.35	-1,281.41	-216.82	1,294.47	0.00	0.00	0.00
10,400.00	91.99	182.31	9,186.88	-1,381.27	-220.85	1,394.33	0.00	0.00	0.00
10,500.00	91.99	182.31	9,183.41	-1,481.13	-224.88	1,494.20	0.00	0.00	0.00
10,600.00	91.99	182.31	9,179.93	-1,580.99	-228.91	1,594.07	0.00	0.00	0.00
10,700.00	91.99	182.31	9,176.46	-1,680.84	-232.94	1,693.93	0.00	0.00	0.00
10,800.00	91.99	182.31	9,172.99	-1,780.70	-236.97	1,793.80	0.00	0.00	0.00
10,900.00	91.99	182.31	9,169.52	-1,880.56	-241.00	1,893.67	0.00	0.00	0.00
11,000.00	91.99	182.31	9,166.04	-1,980.42	-245.03	1,993.54	0.00	0.00	0.00
11,100.00	91.99	182.31	9,162.57	-2,080.28	-249.06	2,093.40	0.00	0.00	0.00
11,200.00	91.99	182.31	9,159.10	-2,180.14	-253.09	2,193.27	0.00	0.00	0.00
11,300.00	91.99	182.31	9,155.62	-2,279.99	-257.12	2,293.14	0.00	0.00	0.00
11,400.00	91.99	182.31	9,152.15	-2,379.85	-261.15	2,393.00	0.00	0.00	0.00
11,500.00	91.99	182.31	9,148.68	-2,479.71	-265.18	2,492.87	0.00	0.00	0.00
11,600.00	91.99	182.31	9,145.21	-2,579.57	-269.21	2,592.74	0.00	0.00	0.00
11,700.00	91.99	182.31	9,141.73	-2,679.43	-273.24	2,692.60	0.00	0.00	0.00
11,800.00	91.99	182.31	9,138.26	-2,779.29	-277.27	2,792.47	0.00	0.00	0.00
11,900.00	91.99	182.31	9,134.79	-2,879.15	-281.30	2,892.34	0.00	0.00	0.00
12,000.00	91.99	182.31	9,131.31	-2,979.00	-285.33	2,992.20	0.00	0.00	0.00
12,100.00	91.99	182.31	9,127.84	-3,078.86	-289.36	3,092.07	0.00	0.00	0.00
12,200.00	91.99	182.31	9,124.37	-3,178.72	-293.39	3,191.94	0.00	0.00	0.00
12,300.00	91.99	182.31	9,120.89	-3,278.58	-297.42	3,291.81	0.00	0.00	0.00
12,400.00	91.99	182.31	9,117.42	-3,378.44	-301.45	3,391.67	0.00	0.00	0.00
12,500.00	91.99	182.31	9,113.95	-3,478.30	-305.48	3,491.54	0.00	0.00	0.00
12,600.00	91.99	182.31	9,110.48	-3,578.15	-309.51	3,591.41	0.00	0.00	0.00
12,700.00	91.99	182.31	9,107.00	-3,678.01	-313.54	3,691.27	0.00	0.00	0.00
12,800.00	91.99	182.31	9,103.53	-3,777.87	-317.57	3,791.14	0.00	0.00	0.00
12,900.00	91.99	182.31	9,100.06	-3,877.73	-321.60	3,891.01	0.00	0.00	0.00
13,000.00	91.99	182.31	9,096.58	-3,977.59	-325.62	3,990.87	0.00	0.00	0.00
13,100.00	91.99	182.31	9,093.11	-4,077.45	-329.65	4,090.74	0.00	0.00	0.00
13,200.00	91.99	182.31	9,089.64	-4,177.30	-333.68	4,190.61	0.00	0.00	0.00
13,300.00	91.99	182.31	9,086.17	-4,277.16	-337.71	4,290.47	0.00	0.00	0.00
TD at 13333.55 - PBHLTRIBAL 4-24-3-2WH									
13,333.55	91.99	182.31	9,085.00	-4,310.67	-339.07	4,323.98	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHLTRIBAL 4-24-3- - plan hits target center - Point	0.00	0.00	9,085.00	-4,310.67	-339.07	7,245,618.63	2,041,293.76	40° 12' 8.169 N	110° 3' 52.950 W

RECEIVED: January 29, 2012

NEWFIELD

Weatherford International Ltd.

Planning Report

Weatherford

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site TRIBAL 4-24-3-2WH
Company:	NEWFIELD EXPLORATION CO.	**TVD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	**MD Reference:**	WELL @ 5137.30ft (PIONEER 68)
Site:	TRIBAL 4-24-3-2WH	**North Reference:**	True
Well:	TRIBAL 4-24-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	TRIBAL 4-24-3-2WH		
Design:	Design #1		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
9,532.77	9,217.06	7"	7	8-3/4

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
8,696.50	8,696.50	0.00	0.00	Start Build 11.00
9,532.77	9,217.06	-520.59	-139.49	Start DLS 3.00 TFO -89.78
9,955.49	9,202.32	-937.39	-202.94	Start 3378.06 hold at 9955.49 MD
13,333.55	9,085.00	-4,310.67	-339.07	TD at 13333.55

RECEIVED: January 29, 2012

AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

Christian C. Sizemore personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Christian C. Sizemore. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed Ute Tribal 4-24-3-2WH well to be located in the NWNW of Section 24, Township 3 South, Range 2 West, Duchesne, County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Western Fluid Services, whose address is PO Box 790909, Vernal, UT 84078 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 16, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Christian C. Sizemore, Landman

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

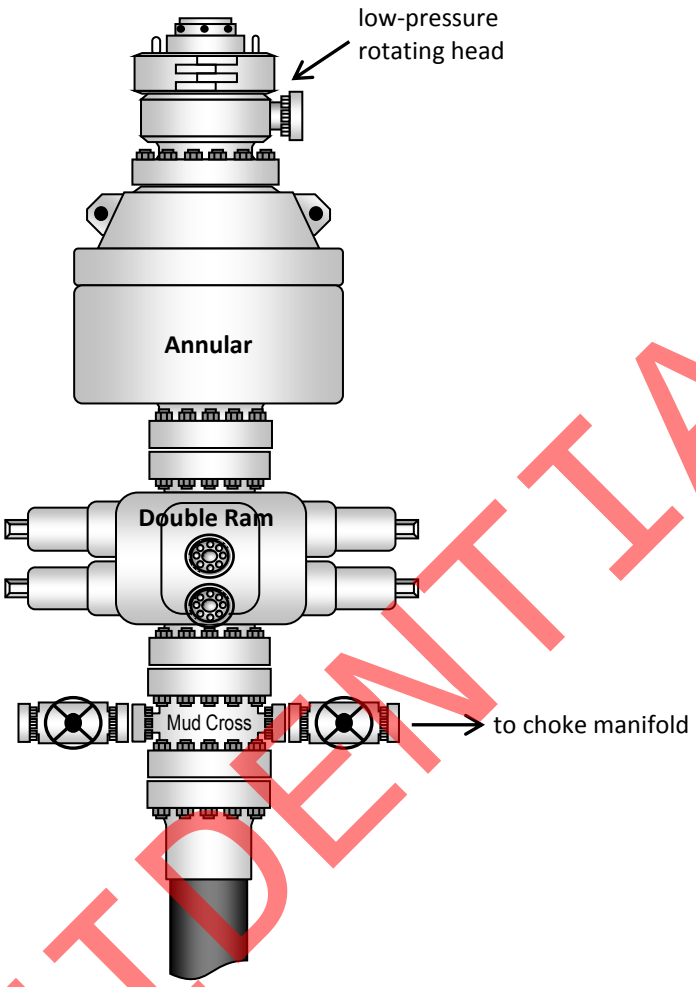
Before me, a Notary Public, in and for the State, on this 16th day of December, 2011, personally appeared Christian C. Sizemore, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

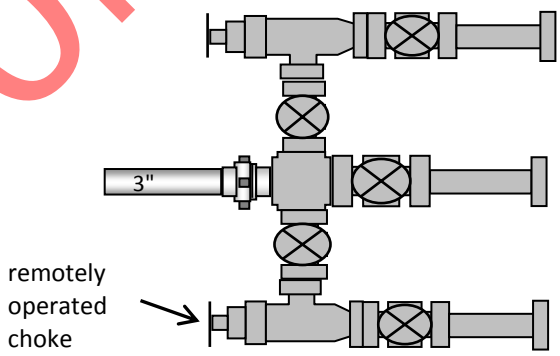
My Commission Expires:

ALAN D. WILD NOTARY PUBLIC STATE OF COLORADO MY COMMISSION EXPIRES 2/17/2015

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



RECEIVED: January 29, 2012

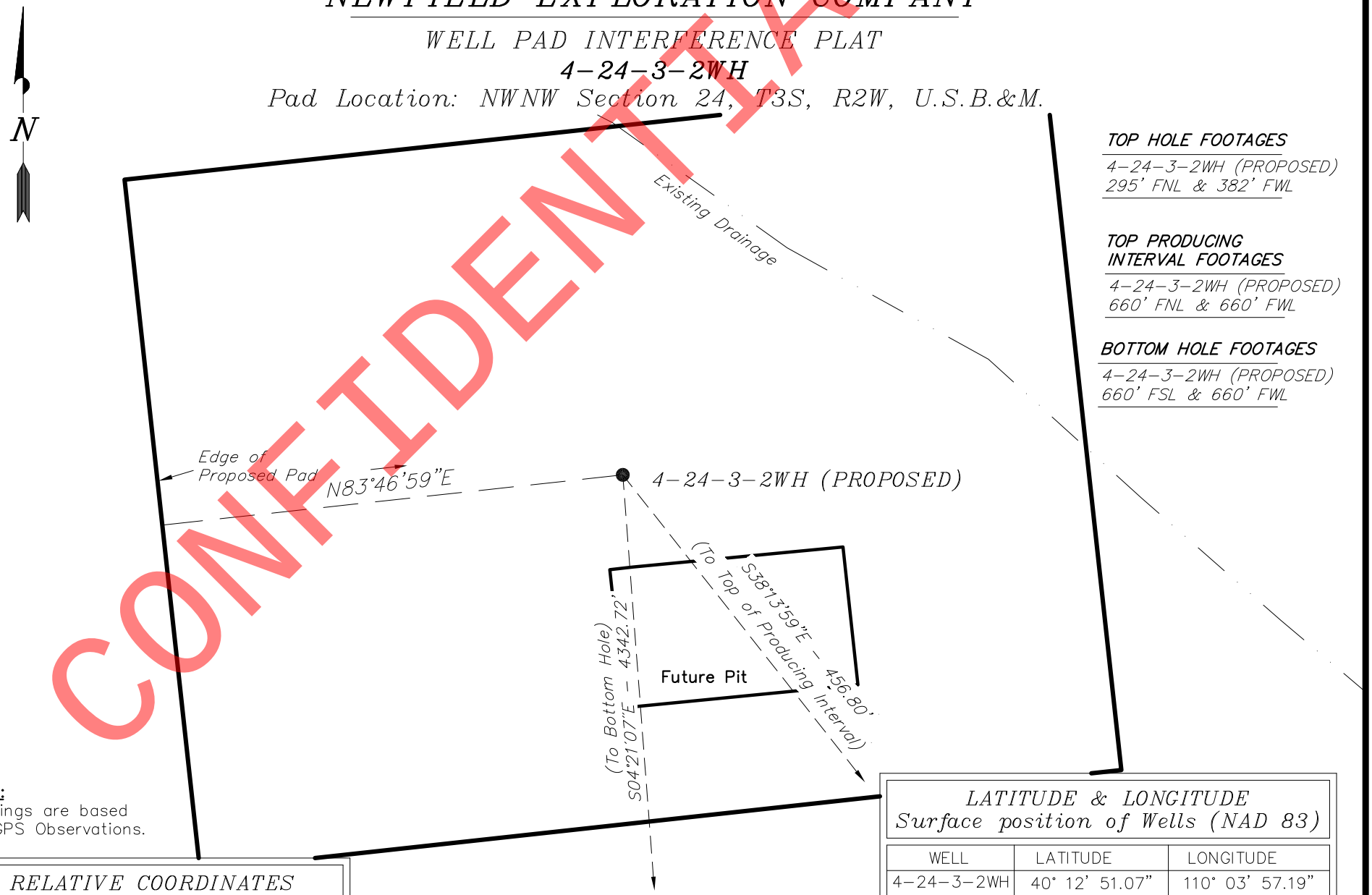
API Well Number: 43013512030000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

4-24-3-2WH

Pad Location: NWNW Section 24, T3S, R2W, U.S.B.&M.



TOP HOLE FOOTAGES

4-24-3-2WH (PROPOSED)
295' FNL & 382' FWL

TOP PRODUCING INTERVAL FOOTAGES

4-24-3-2WH (PROPOSED)
660' FNL & 660' FWL

BOTTOM HOLE FOOTAGES

4-24-3-2WH (PROPOSED)
660' FSL & 660' FWL

Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
4-24-3-2WH	40° 12' 51.07"	110° 03' 57.19"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
4-24-3-2WH	-4,330'	330'

SURVEYED BY:	S.H.	DATE SURVEYED:	12-07-11	VERSION:	V2
DRAWN BY:	M.W.	DATE DRAWN:	12-08-11		
SCALE:	1" = 60'	REVISED:	M.W. - 12-22-11		

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: January 29, 2012

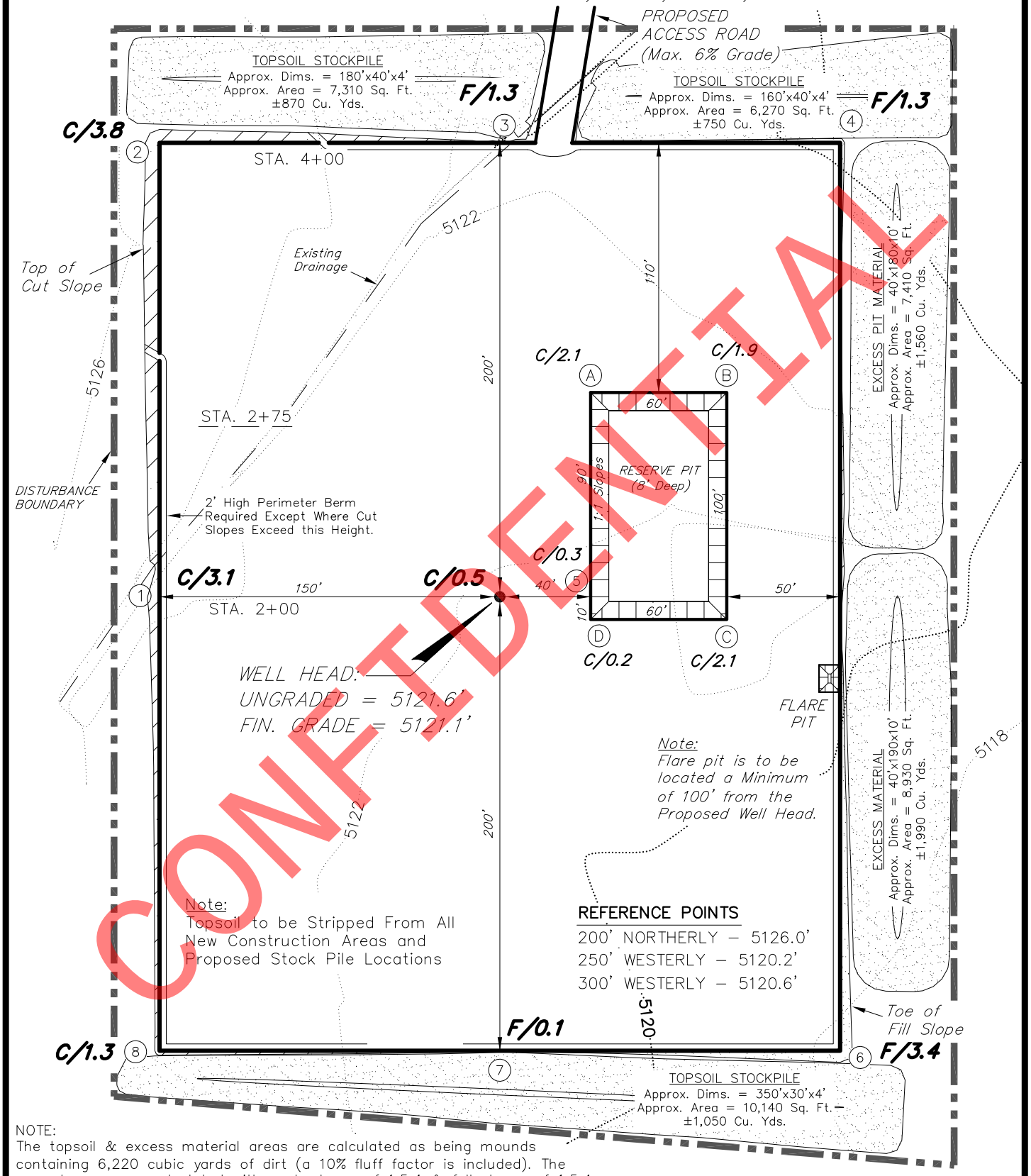
API Well Number: 43013512030000

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

4-24-3-2WH

Pad Location: NWNW Section 24, T3S, R2W, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 6,220 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.H.	DATE SURVEYED: 12-07-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 12-08-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: M.W. – 12-22-11		

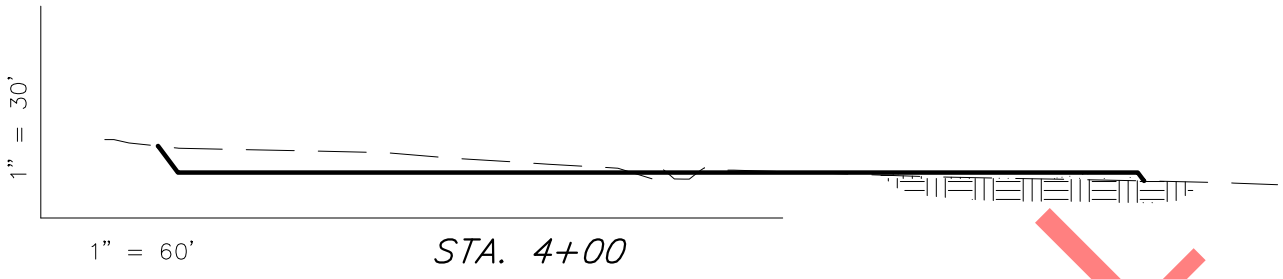
RECEIVED: January 29, 2012

NEWFIELD EXPLORATION COMPANY

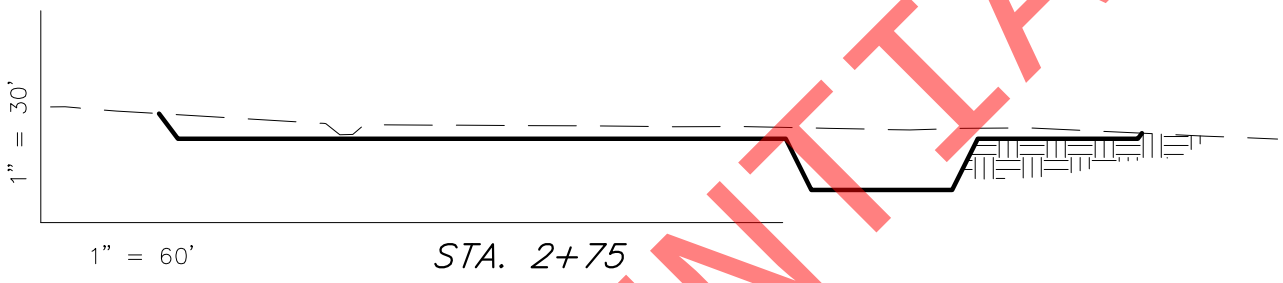
CROSS SECTIONS

4-24-3-2WH

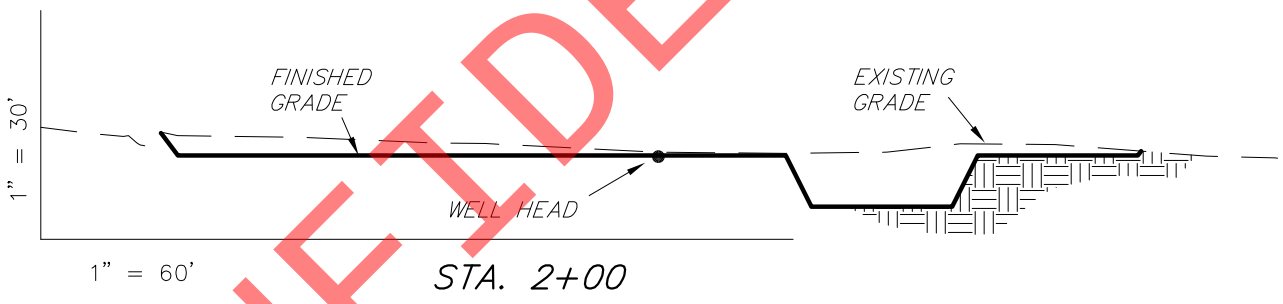
Pad Location: NWNW Section 24, T3S, R2W, U.S.B.&M.



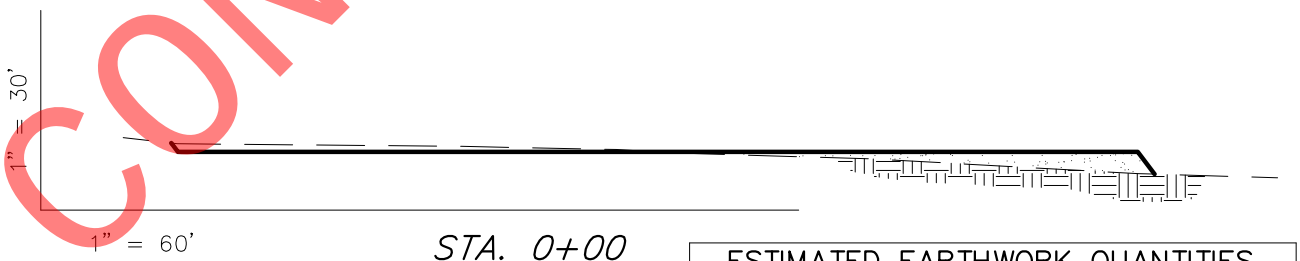
STA. 4+00



STA. 2+75



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,550	1,740	Topsoil is not included in Pad Cut Volume	1,810
PIT	1,420	0		1,420
TOTALS	4,970	1,740	2,430	3,230

NOTE:
UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

SURVEYED BY: S.H.	DATE SURVEYED: 12-07-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-08-11	V2
SCALE: 1" = 60'	REVISED: M.W. - 12-22-11	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

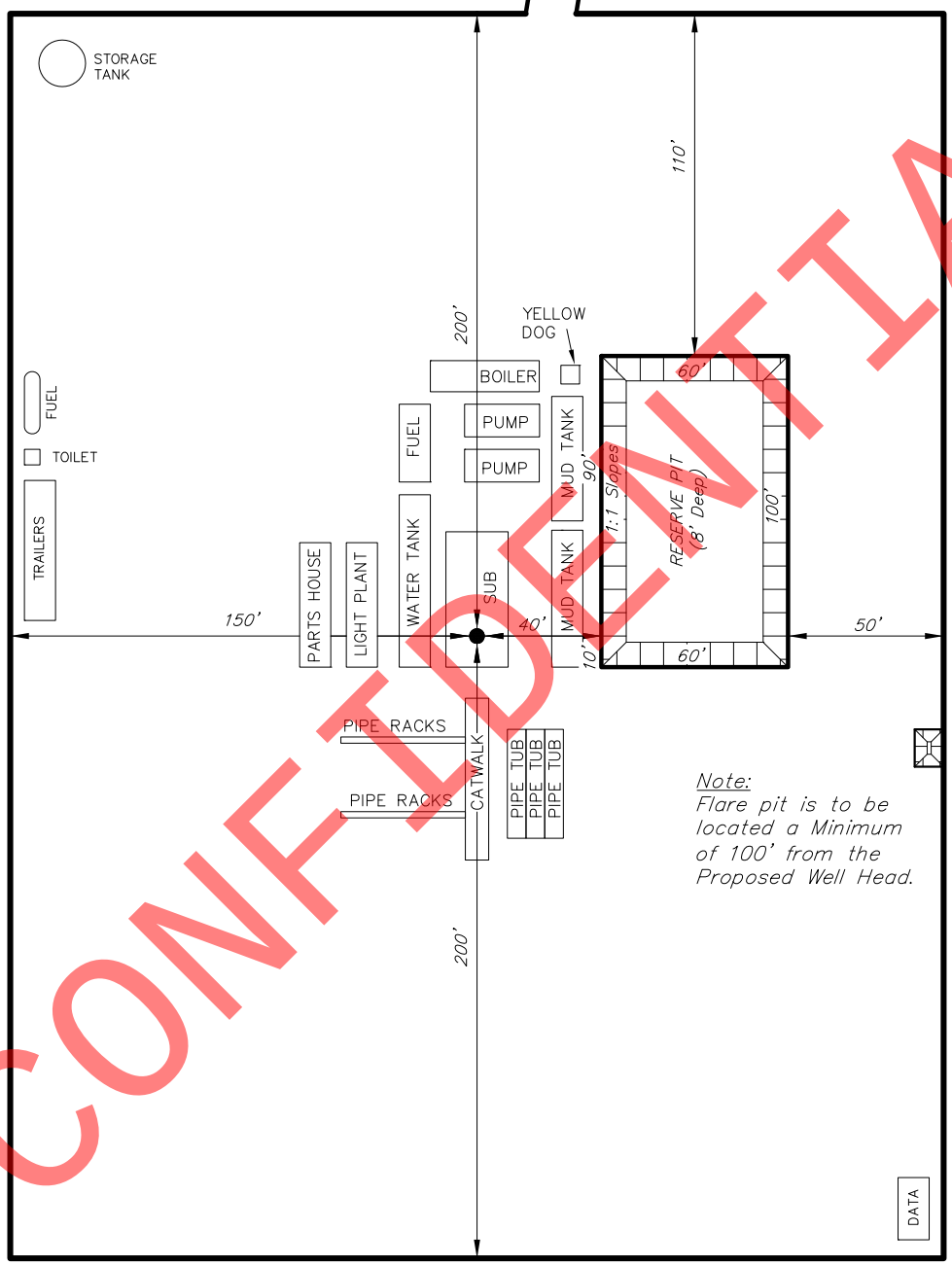
RECEIVED: January 29, 2012

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

4-24-3-2WH

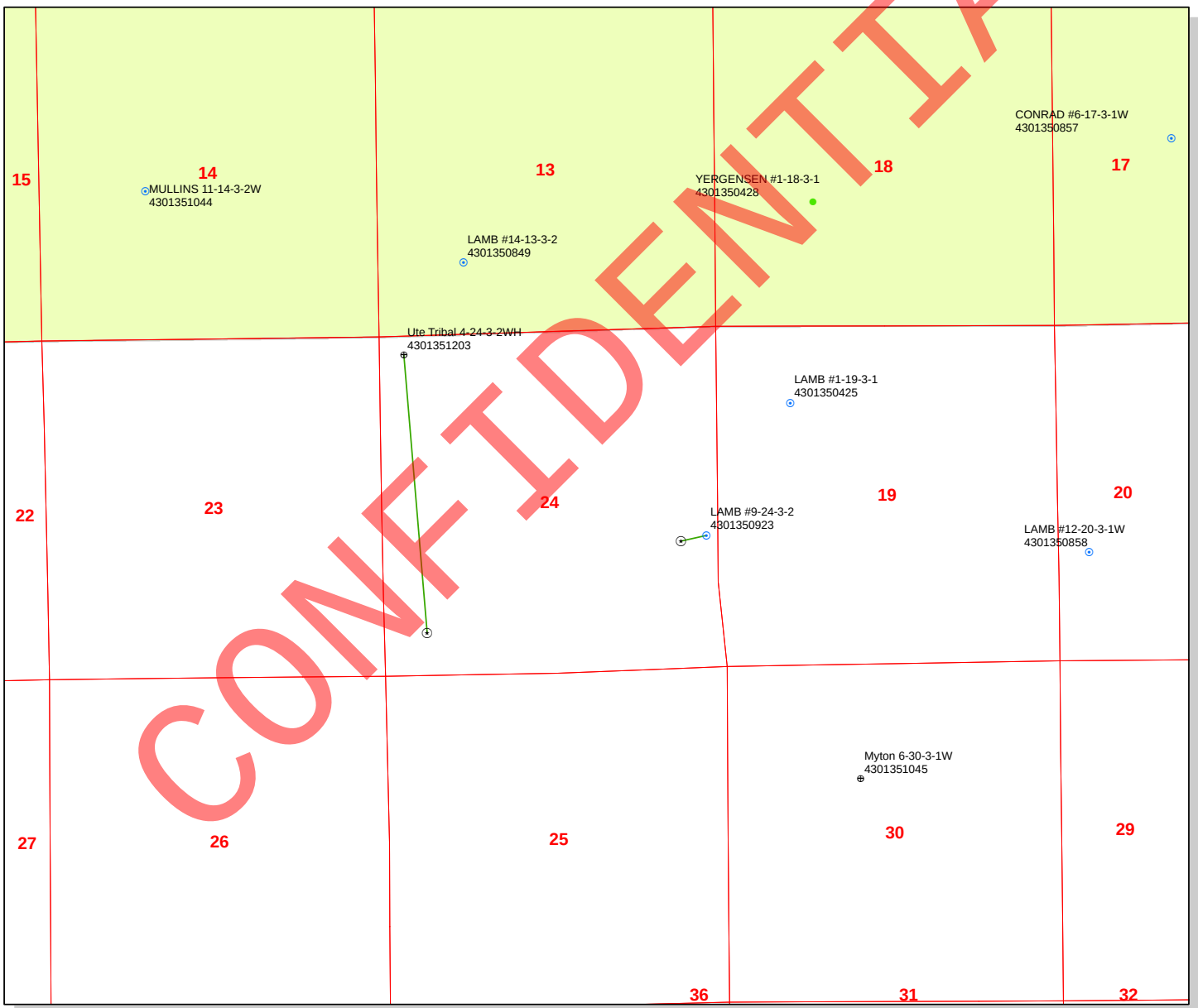
Pad Location: NWNW Section 24, T3S, R2W, U.S.B.&M.



SURVEYED BY: S.H.	DATE SURVEYED: 12-07-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 12-08-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: M.W. - 12-22-11		

RECEIVED: January 29, 2012

API Well Number: 43013512030000



API Number: 4301351203

Well Name: Ute Tribal 4-24-3-2WH

Township T0.3 . Range R0.2 . Section 24

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,900 950 0 1,900 Feet

1:19,288

RECEIVED: February 01, 2012

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY				
Well Name	Ute Tribal 4-24-3-2WH				
API Number	43013512030000	**APD No**	5261	**Field/Unit**	WILDCAT
Location: 1/4,1/4	NWNW	**Sec** 24	**Tw** 3.0S	**Rng** 2.0W	295 FNL 382 FWL
GPS Coord (UTM)	579486 4451951	**Surface Owner**	Western Fluids Services (Tracy Morris)		

Participants

T. Eaton, F. Bird, Z. Mc Intyre– Newfield; C. Jensen,– DOGM ; E. Bonner- SITLA; J. Simonsen -BLM

Regional/Local Setting & Topography

This location is on fallow farm ground next to the Dry Gulch canal. It is immediately bordered by Hwy 40 on the West and the Canal on the North. Within a mile radius is the city of Myton and the Duchesne River, to the south and the cobble Hollow area to the North East. The ground is fairly flat comprised of old river bottom silt.

Surface Use Plan

Current Surface Use
Agricultural

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.01	**Width** 300	**Length** 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Dominant vegetation;
greasewood, shadscale, salt grass and rabbit brush surround the proposed site.
Wildlife;
Habitat contains forage that may be suitable for rabbits, though none were observed. Disturbed soils do not support habitat for wildlife. BLM-NRS had no comment / issues

Soil Type and Characteristics

very silty sand

Erosion Issues N

Sedimentation Issues Y

Site Stability Issues Y

Drainage Diverson Required? Y

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	500 to 1320	10
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Present	15
	Final Score	90 1 Sensitivity Level

Characteristics / Requirements

closed loop system may be warranted as a major canal is next to the pad and groundwater is very near the surface making construction of a pit difficult. Pit is 60 x100' dug 8' deep. Operator has agreed to pot hole on location for depth to surface water. Pit to be moved to the north side if one can be used.

Closed Loop Mud Required? Y **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Chris Jensen — **Evaluator**

2/14/2012 — **Date / Time**

Application for Permit to Drill
Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5261	43013512030000	LOCKED	OW	P	No

Operator	NEWFIELD PRODUCTION COMPANY	**Surface Owner-APD**	Western Fluids Services (Tracy Morris)
Well Name	Ute Tribal 4-24-3-2WH	**Unit**	
Field	WILDCAT	**Type of Work**	DRILL
Location	NWNW 24 3S 2W U 295 FNL 382 FWL GPS Coord (UTM) 579486E 4451946N		

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

3/1/2012 — **Date / Time**

Surface Statement of Basis

Operator has a surface agreement in place with the landowner. I was made aware that some concessions were made to the landowner concerning the removal of an irrigation ditch and moving the pit to the North side. Location is proposed in the best possible position within the spacing window.The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection with comments noted above. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Chris Jensen — **Onsite Evaluator**

2/14/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: March 05, 2012

API Well Number: 43013512030000

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/29/2012 **API NO. ASSIGNED:** 43013512030000

WELL NAME: Ute Tribal 4-24-3-2WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 24 030S 020W **Permit Tech Review:** ☑

SURFACE: 0295 FNL 0382 FWL **Engineering Review:** ☐

BOTTOM: 0660 FSL 0660 FWL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.21416 **LONGITUDE:** -110.06589

UTM SURF EASTINGS: 579486.00 **NORTHINGS:** 4451946.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H626388 **PROPOSED PRODUCING FORMATION(S):** WASATCH

SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - RLB00100473
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☑ **RDCC Review:** 2012-03-02 00:00:00.0
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-2.6

Effective Date:

Siting:

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed
TEMP 640 ACRE SPACING:

Stipulations:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
21 - RDCC - dmason
23 - Spacing - dmason
26 - Temporary Spacing - bhill
27 - Other - bhill

RECEIVED: March 05, 2012

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Ute Tribal 4-24-3-2WH
API Well Number: 43013512030000
Lease Number: 1420H626388
Surface Owner: FEE (PRIVATE)
Approval Date: 3/5/2012

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.6. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being

drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

A temporary 640 acre spacing unit is hereby established in Section 24, Township 3 S, Range 2W, USM for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

February 21, 2012

Notice to Oil and Gas Operators

Re: Hydraulic Fracturing/FracFocus.org

Although the process of hydraulic fracturing has been a commonly used method for obtaining production from oil and gas wells for many years in Utah and worldwide, this process has become an increasingly controversial issue with the public. Currently there are no conclusive studies that show examples of ground water contamination or public health issues resulting from hydraulic fracturing. However, there is still a great amount of public debate concerning the subject. The Division of Oil, Gas and Mining believes that in order to address some of the public anxiety concerning the process of hydraulic fracturing, it would be beneficial to the petroleum industry in Utah to voluntarily report the chemical content of hydraulic fracturing fluids to the website FracFocus (http://fracfocus.org).

FracFocus is the national hydraulic fracturing chemical registry website. This website is a joint project of the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission. The website is both educational and informative and an excellent resource for those seeking information on hydraulic fracturing.

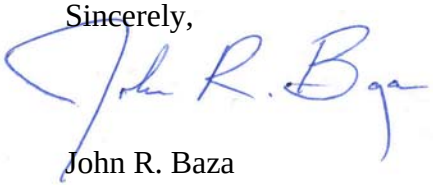
After a hydraulic fracture stimulation is performed, the Division would ask the operator to post on the FracFocus Chemical Disclosure Registry the following stimulation detail:

> Fracture date, state, county, API number, operator name, well name, location, production type, true vertical depth, total water volume, and hydraulic fracturing fluid composition as follows:
>
> (1) Trade name
> (2) Supplier
> (3) Purpose
> (4) Ingredients
> (5) Chemical abstract number
> (6) Maximum ingredient concentration in additive
> (7) Maximum ingredient concentration in hydraulic fracturing fluid

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

On this website, the public can search for information about the chemicals used in the hydraulic fracturing of oil and gas wells by specific well and location. If you are not familiar with the FracFocus website, the Division encourages you to visit the website to acquaint yourself with the information that is being reported. Other oil and gas producing states have made similar requests or established regulatory requirements concerning hydraulic fracturing and the use of the FracFocus website. The Division strongly believes that through the openness of this request that it will promote the public's trust of the petroleum industry. This will continue to enhance a strong community support for the development of oil and gas, educate the public, and alleviate some of the so-called "mysteries" surrounding hydraulic fracturing. If you have any questions about this request for the voluntary efforts of Utah's petroleum industry, please direct them to John Rogers, Associate Director of Oil and Gas at 801-538-5349, by email at johnrogers@utah.gov.

Sincerely,



John R. Baza
Director

JRB/jcr/js
N:\O&G Reviewed Docs\ChronFile

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number Ute Tribal 4-24-3-2WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 2W
Lease Serial Number 1420H626388
API Number 43-013-512030

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 10/8/12 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/8/12 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

Form 3160-3
(August 2007)

RECEIVED
APR 25 2012
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H626269
	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. UTE TRIBAL 4-24-3-2WH
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: MANDIE CROZIER E-Mail: mcrozier@newfield.com	9. API Well No. 43-013-51203
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031
	10. Field and Pool, or Exploratory UNDESIGNATED
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NWNW 295FNL 382FWL 40.214186 N Lat, 110.065886 W Lon At proposed prod. zone Lot 4 660FSL 660FWL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 24 T3S R2W Mer UBM SME: FEE
14. Distance in miles and direction from nearest town or post office* 1.7 MILES NORTHEAST OF MYTON, UT	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 295'	16. No. of Acres in Lease 4130.84 / 17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 12657 MD 8270 TVD / 20. BLM/BIA Bond No. on file ~~WYB000493~~ RLB0010047 3
21. Elevations (Show whether DF, KB, RT, GL, etc. 5122 GL	22. Approximate date work will start 07/01/2012 / 23. Estimated duration 7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 04/24/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date SEP 24 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #136266 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 04/25/2012 (12LBR0352AE)

NOTICE OF APPROVAL

RECEIVED
OCT 09 2012
DIV. OF OIL, GAS & MINING

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**NWNW, Sec. 24, T3S, R2W**
Well No:	**Ute Tribal 4-24-3-2WH**	**Lease No:**	**14-20-H62-6269**
API No:	**43-013-51203**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

CONDITIONS OF APPROVAL:

- **The ditch at location Ute Tribal 4-24-3-2WH will be diverted.**
- **Location Ute Tribal 7-19-3-3W will need a diversion on the west side to reroute water to the south.**
- **A drainage diversion will be constructed on the western side by corner 2 of proposed location Ute Tribal 6-29-3-3W.**

Wildlife

- **Burrowing owls must be fledged at location 1-2-4-3WH before construction or drilling.**

Standard Operating Procedures:

- After cessation of drilling and completion operations, any visible or measurable layer of oil must be removed from the surface of the reserve pit and the pit kept free of oil.
- Pits must be free of oil and other liquid and solid wastes prior to filling. Pit liners must not be breached (cut) or filled (squeezed) while still containing fluids. The pit liner must be removed to the solids level or treated to prevent its reemergence to the surface or its interference with long-term successful revegetation.
- Reclamation will be completed in accordance with the recontouring and reseeding procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, unless otherwise specified by the private surface owner.
- The surface conditions as set forth by the owners and/or agencies.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Gamma Ray Log shall be run from Total Depth to Surface.
- Surface casing cement will be circulated to surface.

Variances Granted
Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors.
- Straight run blooie line. Variance granted for targeted "T's" at bends.
- Automatic igniter. Variance granted for igniter due to water mist.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351253	GMBU Y-10-9-17	NENE	16	9S	17E	DUCHESNE	10/5/2012	10/24/12

WELL 1 COMMENTS:
GRRV BHL: S10 SWSW

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351251	GMBU V-9-9-17	NENE	16	9S	17E	DUCHESNE	10/6/2012	10/24/12

GRRV BHL: S9 SWSE

ACTION B	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
B	99999	17400	4301351148	GMBU T-9-9-16	SWSW	10	9S	16E	DUCHESNE	10/5/2012	10/24/12

GRRV BHL: S9 NESE

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351149	GMBU Q-10-9-16	SWSW	10	9S	16E	DUCHESNE	10/4/2012	10/24/12

GRRV BHL: NESW

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18752	4301351203	UTE TRIBAL 4-24-3-2-W H	NWNE	24	3S	2W	DUCHESNE	10/9/2012	10/24/12

WSTC BHL: SWSW

A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

CONFIDENTIAL

Tasha Robison
Signature

Production Clerk
10/11/12

NOTE: Use COMMENT section to explain why each Action Code was selected

RECEIVED
OCT 12 2012
Div. of Oil, Gas & Mining

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
FEE

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA/Agreement, Name and/or
UINTA CB -BASAL CARB

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
UTE TRIBAL 4-24-3-2WH

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301351203

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
UINTA CENTRAL BASIN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

NWNW Section 24 T3S R2W

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/8/12 MIRU Ross #29. Spud well @10:30 AM. Drill 62' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.75# csgn. Set @ 80. On 10/8/12 cement with 90 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 4 barrels cement to pit. WOC.

I hereby certify that the foregoing is true and correct *(Printed/ Typed)* Branden Arnold	Title
Signature	Date 10/11/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED
OCT 26 2012
DIV. OF OIL, GAS & MINING

Casing / Liner Detail

Well Ute Tribal 4-24-3-2WH

Prospect Central Basin

Foreman

Run Date:

String Type Surface, 9.625", 36#, J-55, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
2,536.95			18' KB		
2,488.26	1.42		Wellhead		
18.00	2470.26	56	9 5/8 Casing	9.625	
2,489.68	1.66		Float collor	9.625	
2,491.34	43.55	1	Shoe Joint	9.625	
2,534.89	2.06		guide shoe	9.625	
2,536.95			-		

Cement Detail

Cement Company: BJ

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft3)	Description - Slurry Class and Additives
Slurry 2	250	15.5	1.17	292.5	Class G+2%kcl+.25#CF
Slurry 1	554	12.5	1.97	1091.38	Premium light II

Stab-In-Job?	No
BHT:	0
Initial Circulation Pressure:	
Initial Circulation Rate:	
Final Circulation Pressure:	
Final Circulation Rate:	
Displacement Fluid:	Water
Displacement Rate:	
Displacement Volume:	191.5
Mud Returns:	

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	Yes
Pressure Plugs Bumped:	1425
Floats Holding?	No
Casing Stuck On / Off Bottom?	No
Casing Reciprocated?	No
Casing Rotated?	No
CIP:	11:21
Casing Wt Prior To Cement:	
Casing Weight Set On Slips:	

Centralizer Type And Placement:

Middle of first, top of second and third for a total of three.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H626388

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: UTE TRIBAL 4-24-3-2WH

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013512030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0295 FNL 0382 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 24 Township: 03.0S Range: 02.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 1/19/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 01/19/2013 at 13:25 hours. Production Start sundry re-sent on 07/10/2013.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 11, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 7/10/2013

RECEIVED: Jul. 10, 2013

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: 1420H626269

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name: UINTAH AND OURAY
7. Unit or CA Agreement Name and No.:

2. Name of Operator: NEWFIELD PRODUCTION COMPANY
8. Lease Name and Well No.: UTE TRIBAL 4-24-3-2WH

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052
3a. Phone No. (include area code): Ph:435-646-3721
9. API Well No.: 43-013-51203

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: 295' FNL 382' FWL (NW/NW) SEC 24 T3S R2W
At top prod. interval reported below: 950' FNL 719' FWL (NW/NW) SEC 24 T3S R3W
At total depth: 667' FSL 752' FWL (SW/SW) SEC 24 T3S R3W
10. Field and Pool or Exploratory: UNDESIGNATED
11. Sec., T., R., M., on Block and Survey or Area: SEC 24 T3S R2W Mer UBM
12. County or Parish: DUCHESNE
13. State: UT

14. Date Spudded: 10/08/2012
15. Date T.D. Reached: 11/20/2012
16. Date Completed: ☐ D & A ☑ Ready to Prod. 01/19/2013
17. Elevations (DF, RKB, RT, GL)*: 5122' GL 5140' KB

18. Total Depth: MD 12685' TVD 8276'
19. Plug Back T.D.: MD 12,628 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-1/2"	9-5/8" J-55	36	0'	2537'		344 CLASS G			
8-7/8"	7" P-110	26	0'	8771'		380 Bondcem		83'	
						575 Versacem			
6-1/4"	4.5" P-110	13.5	7778'	12684'					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@7723'	XN@7717'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	8992'	12553'	8992' - 12553' MD			Sleve Job
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
8992' - 12553' MD	Frac w/ 2,005,203#s of 30/50 white sand and 69,449#s of 100 Mesh in 32,861 bbls of Delta 19 fluid, in 20 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/19/13	1/29/13	24	→	668	362	122			GAS LIFT

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	6092'
				GARDEN GULCH 1	6329'
				GARDEN GULCH 2	6480'
				DOUGLAS CREEK	7195;
				CASTLE PEAK	8062'
				UTELAND BUTTE	8328'
				UTELAND BUTTE A	8342'
				UTELAND BUTTE B	8352'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 04/04/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Client: NEWFIELD PRODUCTION COMPANY
Directional: HALLIBURTON
Dates: 10/17/2012 -
County/State: DUCHESNE, UTAH
Surface Location: 295' FNL, 382' FEL
Well Name: UTE TRIBAL 4-24-3-2WH
Drill Rig: PIONEER #62
Depth Reference: GL: 5122' / KB: 5140'
SPUD Date: 10/18/2012
Geologist: MATT DENZER / FRANKLIN HUGHES

Calculation Method: Minimum Curvature
Proposed Azi. 175.91
Main Lateral
Target Angle = 89.00
Target TVD.= 8,375'
BHA = GTB = PTB=

Tool Type	BR	BRN	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)		E/W (ft)		Closure Dist (ft)	Closure Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')	BRN
Tie-In			2492	0.70	220.10		2491.89		-14.57		-0.65							
MWD	0.0	1.0	2597	0.72	221.68	105	2596.88	15.41	-15.55	S	-1.50	W	15.63	185.52	0.03	0.02	1.50	1.0
MWD	0.2	1.0	2660	0.85	219.50	63	2659.88	16.02	-16.21	S	-2.06	W	16.34	187.25	0.21	0.21	-3.46	1.0
MWD	0.0	1.0	2723	0.88	218.79	63	2722.87	16.71	-16.95	S	-2.66	W	17.16	188.93	0.05	0.05	-1.13	1.0
MWD	0.2	1.0	2786	0.98	218.71	63	2785.86	17.46	-17.74	S	-3.30	W	18.05	190.54	0.16	0.16	-0.13	1.0
MWD	-0.1	1.0	2850	0.94	218.94	64	2849.85	18.25	-18.58	S	-3.97	W	19.00	192.08	0.06	-0.06	0.36	1.0
MWD	0.0	1.0	2913	0.94	215.01	63	2912.84	19.03	-19.41	S	-4.60	W	19.94	193.32	0.10	0.00	-6.24	1.0
MWD	0.1	1.0	2976	1.01	212.94	63	2975.83	19.87	-20.29	S	-5.19	W	20.95	194.36	0.12	0.11	-3.29	1.0
MWD	0.0	1.1	3039	1.04	211.29	63	3038.82	20.78	-21.25	S	-5.79	W	22.02	195.25	0.07	0.05	-2.62	1.1
MWD	-0.1	1.1	3102	1.00	207.43	63	3101.81	21.72	-22.23	S	-6.34	W	23.11	195.93	0.13	-0.06	-6.13	1.1
MWD	0.1	1.1	3165	1.09	211.57	63	3164.80	22.67	-23.22	S	-6.91	W	24.23	196.57	0.19	0.14	6.57	1.1
MWD	0.1	1.1	3228	1.15	204.91	63	3227.79	23.71	-24.31	S	-7.49	W	25.44	197.13	0.23	0.10	-10.57	1.1
MWD	0.1	1.1	3292	1.19	209.27	64	3291.78	24.83	-25.47	S	-8.09	W	26.72	197.61	0.15	0.06	6.81	1.1
MWD	0.2	1.1	3355	1.32	213.26	63	3354.76	25.95	-26.65	S	-8.80	W	28.06	198.28	0.25	0.21	6.33	1.1
MWD	-0.2	1.1	3418	1.19	215.69	63	3417.75	27.03	-27.79	S	-9.58	W	29.39	199.03	0.22	-0.21	3.86	1.1
MWD	0.3	1.1	3481	1.36	217.43	63	3480.73	28.09	-28.91	S	-10.42	W	30.73	199.82	0.28	0.27	2.76	1.1
MWD	0.0	1.2	3544	1.39	213.89	63	3543.71	29.26	-30.14	S	-11.30	W	32.19	200.55	0.14	0.05	-5.62	1.2
MWD	-0.2	1.2	3607	1.27	213.03	63	3606.70	30.42	-31.36	S	-12.11	W	33.61	201.11	0.19	-0.19	-1.37	1.2
MWD	-0.8	1.2	3670	0.75	205.62	63	3669.69	31.33	-32.32	S	-12.67	W	34.71	201.40	0.85	-0.83	-11.76	1.2
MWD	-0.6	1.2	3733	0.37	126.08	63	3732.68	31.82	-32.81	S	-12.68	W	35.17	201.13	1.23	-0.60	-126.25	1.2
MWD	1.0	1.2	3796	1.02	69.99	63	3795.68	31.80	-32.74	S	-11.99	W	34.86	200.11	1.38	1.03	-89.03	1.2
MWD	1.2	1.2	3860	1.80	63.71	64	3859.66	31.26	-32.09	S	-10.55	W	33.78	198.20	1.24	1.22	-9.81	1.2
MWD	1.5	1.2	3923	2.73	60.80	63	3922.61	30.25	-30.92	S	-8.35	W	32.03	195.12	1.49	1.48	-4.62	1.2
MWD	1.9	1.2	3986	3.93	58.68	63	3985.50	28.63	-29.07	S	-5.20	W	29.53	190.14	1.91	1.90	-3.37	1.2
MWD	0.4	1.2	4049	4.16	55.23	63	4048.35	26.47	-26.65	S	-1.48	W	26.69	183.18	0.53	0.37	-5.48	1.2
MWD	0.9	1.2	4112	4.71	57.90	63	4111.16	24.09	-23.97	S	2.59	E	24.11	173.83	0.93	0.87	4.24	1.2
MWD	1.0	1.2	4175	5.36	57.64	63	4173.91	21.48	-21.02	S	7.27	E	22.24	160.93	1.03	1.03	-0.41	1.2
MWD	1.1	1.2	4238	6.05	57.86	63	4236.60	18.53	-17.68	S	12.56	E	21.69	144.60	1.10	1.10	0.35	1.2
MWD	-0.1	1.3	4302	5.99	55.62	64	4300.25	15.26	-14.00	S	18.17	E	22.94	127.60	0.38	-0.09	-3.50	1.3
MWD	-0.1	1.3	4365	5.90	52.84	63	4362.91	11.83	-10.18	S	23.47	E	25.58	113.46	0.48	-0.14	-4.41	1.3
MWD	-0.2	1.3	4428	5.77	51.06	63	4425.58	8.26	-6.24	S	28.51	E	29.19	102.34	0.35	-0.21	-2.83	1.3
MWD	0.5	1.3	4491	6.07	50.33	63	4488.25	4.51	-2.12	S	33.54	E	33.61	93.62	0.49	0.48	-1.16	1.3
MWD	0.8	1.3	4555	6.61	50.47	64	4551.86	0.40	2.38	N	38.98	E	39.06	86.50	0.84	0.84	0.22	1.3
MWD	0.4	1.3	4618	6.86	51.73	63	4614.42	-3.81	7.02	N	44.74	E	45.28	81.08	0.46	0.40	2.00	1.3
MWD	-0.8	1.4	4681	6.37	51.33	63	4677.00	-7.91	11.54	N	50.42	E	51.72	77.11	0.78	-0.78	-0.63	1.4
MWD	0.9	1.4	4744	6.96	48.36	63	4739.58	-12.22	16.26	N	56.00	E	58.31	73.81	1.08	0.94	-4.71	1.4
MWD	0.8	1.4	4808	7.46	49.32	64	4803.07	-17.06	21.54	N	62.05	E	65.68	70.86	0.80	0.78	1.50	1.4
MWD	-1.4	1.4	4871	6.59	52.17	63	4865.60	-21.51	26.42	N	68.00	E	72.96	68.77	1.49	-1.38	4.52	1.4
MWD	-0.5	1.5	4934	6.30	50.65	63	4928.20	-25.51	30.83	N	73.53	E	79.74	67.25	0.53	-0.46	-2.41	1.5
MWD	-1.0	1.5	4997	5.66	50.20	63	4990.85	-29.32	35.01	N	78.59	E	86.04	65.99	1.02	-1.02	-0.71	1.5
MWD	-0.3	1.6	5060	5.46	56.97	63	5053.56	-32.58	38.63	N	83.49	E	92.00	65.17	1.09	-0.32	10.75	1.6
MWD	-0.1	1.6	5124	5.42	52.71	64	5117.27	-35.71	42.13	N	88.45	E	97.97	64.53	0.63	-0.06	-6.66	1.6
MWD	0.2	1.6	5187	5.52	50.09	63	5179.98	-39.11	45.87	N	93.14	E	103.82	63.78	0.43	0.16	-4.16	1.6
MWD	0.4	1.6	5250	5.76	49.66	63	5242.68	-42.76	49.86	N	97.88	E	109.84	63.00	0.39	0.38	-0.68	1.6
MWD	0.1	1.7	5313	5.83	51.56	63	5305.36	-46.43	53.90	N	102.79	E	116.06	62.33	0.32	0.11	3.02	1.7
MWD	0.3	1.7	5377	6.03	53.21	64	5369.01	-50.08	57.93	N	108.03	E	122.58	61.80	0.41	0.31	2.58	1.7
MWD	-1.0	1.8	5440	5.41	51.61	63	5431.70	-53.54	61.76	N	113.01	E	128.78	61.34	1.02	-0.98	-2.54	1.8
MWD	0.0	1.8	5503	5.39	50.81	63	5494.42	-56.92	65.47	N	117.63	E	134.62	60.90	0.12	-0.03	-1.27	1.8
MWD	0.7	1.8	5566	5.85	50.53	63	5557.12	-60.48	69.38	N	122.40	E	140.70	60.45	0.73	0.73	-0.44	1.8
MWD	0.6	1.9	5629	6.23	52.43	63	5619.77	-64.22	73.51	N	127.59	E	147.25	60.05	0.68	0.60	3.02	1.9
MWD	1.1	1.9	5693	6.94	56.25	64	5683.35	-68.05	77.77	N	133.56	E	154.55	59.79	1.30	1.11	5.97	1.9
MWD	-0.3	1.9	5756	6.72	53.88	63	5745.90	-71.89	82.06	N	139.70	E	162.02	59.57	0.57	-0.35	-3.76	1.9
MWD	-0.2	2.0	5819	6.59	51.50	63	5808.47	-75.89	86.48	N	145.50	E	169.27	59.27	0.48	-0.21	-3.78	2.0
MWD	0.3	2.0	5882	6.79	51.95	63	5871.05	-80.01	91.03	N	151.27	E	176.54	58.96	0.33	0.32	0.71	2.0
MWD	-0.1	2.1	5945	6.74	53.39	63	5933.61	-84.08	95.53	N	157.17	E	183.92	58.71	0.28	-0.08	2.29	2.1
MWD	-0.3	2.1	6009	6.54	56.55	64	5997.18	-87.88	99.78	N	163.22	E	191.30	58.56	0.65	-0.31	4.94	2.1
MWD	-0.9	2.2	6072	5.98	64.60	63	6059.80	-90.84	103.16	N	169.18	E	198.15	58.63	1.65	-0.89	12.78	2.2
MWD	-0.3	2.3	6135	5.78	65.00	63	6122.47	-93.16	105.91	N	175.02	E	204.57	58.82	0.32	-0.32	0.63	2.3
MWD	0.3	2.3	6198	5.99	62.29	63	6185.14	-95.61	108.78	N	180.81	E	211.01	58.97	0.55	0.33	-4.30	2.3
MWD	1.0	2.4	6262	6.62	61.55	64	6248.75	-98.47	112.09	N	187.01	E	218.03	59.06	0.99	0.98	-1.16	2.4
MWD	-0.3	2.5	6325	6.44	61.47	63	6311.34	-101.43	115.51	N	193.30	E	225.19	59.14	0.29	-0.29	-0.13	2.5
MWD	0.4	2.5	6388	6.69	56.59	63	6373.93	-104.69	119.22	N	199.47	E	232.38	59.13	0.97	0.40	-7.75	2.5
MWD	-0.1	2.6	6451	6.64	55.92	63	6436.50	-108.31	123.28	N	205.55	E	239.68	59.05	0.15	-0.08	-1.06	2.6
MWD	0.2	2.7	6514	6.77	54.77	63	6499.07	-112.05	127.46	N	211.60	E	247.03	58.94	0.30	0.21	-1.83	2.7
MWD	0.4	2.8	6578	7.00	55.11	64	6562.61	-115.99	131.87	N	217.88	E	254.68	58.82	0.36	0.36	0.53	2.8
MWD	-0.1	2.9	6641	6.91	57.81	63	6625.15	-119.74	136.08	N	224.24	E	262.30	58.75	0.54	-0.14	4.29	2.9
MWD	0.0	3.0	6704	6.91	59.01	63	6687.69	-123.24	140.05	N	230.69	E	269.88	58.74	0.23	0.00	1.90	3.0
MWD	0.1	3.1	6767	6.96	60.30	63	6750.23	-126.61	143.90	N	237.26	E	277.48	58.76	0.26	0.08	2.05	3.1
MWD	0.3	3.2	6830	7.13	60.35	63	6812.75	-129.95	147.72	N	243.97	E	285.21	58.81	0.27	0.27	0.08	3.2
MWD	-0.4	3.4	6893	6.87	60.94	63	6875.28	-133.22	151.49	N	250.66	E	292.88	58.85	0.43	-0.41	0.94	3.4
MWD	-0.4	3.5	6956	6.60	61.36	63	6937.85	-136.32	155.05	N	257.13	E	300.26	58.91	0.44	-0.43	0.67	3.5
MWD	0.3	3.7	7020	6.78	62.23	64	7001.41	-139.36	158.58	N	263.70	E	307.71	58.98	0.32	0.28	1.36	3.7
MWD	0.1	3.8	7083	6.84	59.66	63	7063.97	-142.52	162.20	N	270.23	E	315.17	59.03	0.49	0.10	-4.08	3.8
MWD	0.5	4.0	7146	7.14	58.07	63	7126.50	-146.00	166.17	N	276.79	E	322.84	59.02	0.57	0.48	-2.52	4.0

Client: NEWFIELD PRODUCTION COMPANY
Directional: HALLIBURTON
County/State: DUCHESNE, UTAH
Well Name: UTE TRIBAL 4-24-3-2WH
Drill Rig: PIONEER #62
SPUD Date: 10/18/2012

Dates: 10/17/2012 -
Surface Location: 295' FNL, 382' FEL
Depth Reference: GL: 5122' / KB: 5140'
Geologist: MATT DENZER / FRANKLIN HUGHES

Calculation Method: Minimum Curvature
Proposed Azi. 175.91
Main Lateral
Target Angle = 89.00
Target TVD.= 8,375'
BHA = GTB = PTB=

Tool Type	BR	BRN	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)		E/W (ft)		Closure Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')	BRN
MWD	-0.3	4.2	7209	6.92	55.78	63	7189.03	-149.74	170.37	N	283.25	E	330.54	58.97	0.57	-0.35	-3.63	4.2
MWD	0.1	4.5	7272	6.97	54.14	63	7251.57	-153.66	174.75	N	289.49	E	338.14	58.88	0.32	0.08	-2.60	4.5
MWD	-0.9	4.8	7335	6.41	56.37	63	7314.14	-157.40	178.93	N	295.52	E	345.47	58.81	0.98	-0.89	3.54	4.8
MWD	-0.5	5.1	7398	6.08	57.57	63	7376.76	-160.72	182.67	N	301.26	E	352.32	58.77	0.56	-0.52	1.90	5.1
MWD	-0.4	5.5	7461	5.84	57.74	63	7439.42	-163.82	186.17	N	306.79	E	358.86	58.75	0.38	-0.38	0.27	5.5
MWD	-2.6	6.1	7525	4.19	61.09	64	7503.17	-166.34	189.04	N	311.59	E	364.45	58.75	2.62	-2.58	5.23	6.1
MWD	-0.9	6.6	7588	3.61	66.81	63	7566.03	-167.95	190.93	N	315.42	E	368.71	58.81	1.11	-0.92	9.08	6.6
MWD	-0.1	7.2	7651	3.53	65.15	63	7628.91	-169.29	192.53	N	319.01	E	372.60	58.89	0.21	-0.13	-2.63	7.2
MWD	-0.2	7.9	7714	3.40	61.87	63	7691.79	-170.74	194.23	N	322.42	E	376.40	58.93	0.38	-0.21	-5.21	7.9
MWD	-0.6	8.7	7777	3.03	48.96	63	7754.69	-172.50	196.20	N	325.32	E	379.90	58.91	1.29	-0.59	-20.49	8.7
MWD	-2.3	9.8	7832	1.77	64.41	55	7809.64	-173.68	197.52	N	327.18	E	382.18	58.88	2.56	-2.29	28.09	9.8
MWD	3.5	10.2	7863	2.85	127.09	31	7840.62	-173.35	197.26	N	328.23	E	382.94	58.99	8.30	3.48	202.19	10.2
MWD	10.1	10.2	7895	6.07	166.25	32	7872.53	-171.16	195.14	N	329.27	E	382.75	59.35	13.31	10.06	122.38	10.2
MWD	10.9	10.1	7926	9.46	172.70	31	7903.24	-167.00	191.02	N	329.98	E	381.28	59.93	11.27	10.94	20.81	10.1
MWD	12.1	10.0	7958	13.32	182.74	32	7934.61	-160.71	184.73	N	330.14	E	378.30	60.77	13.52	12.06	31.38	10.0
MWD	10.3	10.0	7990	16.62	184.84	32	7965.52	-152.53	176.48	N	329.57	E	373.85	61.83	10.45	10.31	6.56	10.0
MWD	12.3	9.8	8021	20.44	184.90	31	7994.90	-142.80	166.67	N	328.74	E	368.57	63.12	12.32	12.32	0.19	9.8
MWD	7.3	10.0	8053	22.79	184.33	32	8024.65	-131.14	154.92	N	327.79	E	362.56	64.70	7.37	7.34	-1.78	10.0
MWD	9.7	10.1	8085	25.88	181.21	32	8053.81	-118.06	141.75	N	327.18	E	356.56	66.57	10.46	9.66	-9.75	10.1
MWD	10.0	10.1	8116	28.97	179.12	31	8081.32	-103.82	127.48	N	327.15	E	351.11	68.71	10.44	9.97	-6.74	10.1
MWD	11.0	10.0	8148	32.49	179.08	32	8108.82	-87.50	111.13	N	327.41	E	345.75	71.25	11.00	11.00	-0.12	10.0
MWD	11.3	9.8	8180	36.10	177.70	32	8135.25	-69.49	93.11	N	327.92	E	340.89	74.15	11.54	11.28	-4.31	9.8
MWD	8.0	10.0	8211	38.58	177.94	31	8159.90	-50.69	74.32	N	328.64	E	336.94	77.26	8.01	8.00	0.77	10.0
MWD	10.1	10.0	8243	41.82	178.46	32	8184.34	-30.06	53.68	N	329.28	E	333.63	80.74	10.18	10.13	1.63	10.0
MWD	10.3	10.0	8274	45.02	179.93	31	8206.85	-8.79	32.38	N	329.57	E	331.16	84.39	10.82	10.32	4.74	10.0
MWD	9.1	10.1	8306	47.93	178.83	32	8228.89	14.37	9.18	N	329.83	E	329.96	88.41	9.43	9.09	-3.44	10.1
MWD	11.2	9.9	8337	51.39	179.13	31	8248.95	37.96	-14.44	S	330.25	E	330.56	92.50	11.19	11.16	0.97	9.9
MWD	13.2	9.4	8369	55.60	178.68	32	8267.98	63.64	-40.15	S	330.74	E	333.17	96.92	13.20	13.16	-1.41	9.4
MWD	12.2	8.8	8401	59.50	178.50	32	8285.15	90.61	-67.14	S	331.41	E	338.14	101.45	12.20	12.19	-0.56	8.8
MWD	12.4	8.1	8432	63.35	178.80	31	8299.98	117.79	-94.35	S	332.05	E	345.19	105.86	12.45	12.42	0.97	8.1
MWD	7.8	8.2	8464	65.85	179.39	32	8313.70	146.65	-123.25	S	332.50	E	354.61	110.34	7.99	7.81	1.84	8.2
MWD	9.9	7.7	8495	68.93	179.23	31	8325.62	175.22	-151.86	S	332.85	E	365.86	114.53	9.95	9.94	-0.52	7.7
MWD	6.5	8.1	8527	71.02	178.88	32	8336.57	205.24	-181.92	S	333.34	E	379.76	118.62	6.61	6.53	-1.09	8.1
MWD	6.5	8.6	8559	73.11	178.93	32	8346.43	235.64	-212.36	S	333.93	E	395.73	122.45	6.53	6.53	0.16	8.6
MWD	6.5	9.5	8590	75.13	179.87	31	8354.91	265.40	-242.17	S	334.24	E	412.75	125.93	7.14	6.52	3.03	9.5
MWD	7.3	10.9	8622	77.46	179.82	32	8362.49	296.41	-273.26	S	334.32	E	431.79	129.26	7.28	7.28	-0.16	10.9
MWD	9.2	12.4	8653	80.30	179.63	31	8368.47	326.76	-303.68	S	334.47	E	451.76	132.24	9.18	9.16	-0.61	12.4
MWD	14.1	9.5	8685	84.81	179.62	32	8372.61	358.41	-335.40	S	334.68	E	473.81	135.06	14.09	14.09	-0.03	9.5
MWD	10.3	5.4	8717	88.12	179.56	32	8374.59	390.28	-367.33	S	334.90	E	497.08	137.64	10.35	10.34	-0.19	5.4
MWD	4.0	1.1	8742	89.13	178.12	25	8375.19	415.24	-392.32	S	335.41	E	516.15	139.47	7.03	4.04	-5.76	1.1
MWD	0.7	0.8	8784	89.44	179.83	42	8375.71	457.18	-434.31	S	336.16	E	549.21	142.26	4.14	0.74	4.07	0.8
MWD	-1.0	0.2	8815	89.14	179.32	31	8376.09	488.11	-465.30	S	336.39	E	574.17	144.13	1.91	-0.97	-1.65	0.2
MWD	0.0	0.1	8847	89.13	179.04	32	8376.58	520.05	-497.30	S	336.85	E	600.64	145.89	0.88	-0.03	-0.88	0.1
MWD	0.2	0.2	8878	89.20	178.92	31	8377.03	551.01	-528.29	S	337.40	E	626.84	147.43	0.45	0.23	-0.39	0.2
MWD	3.3	0.4	8910	90.25	179.48	32	8377.18	582.95	-560.28	S	337.85	E	654.26	148.91	3.72	3.28	1.75	0.4
MWD	2.9	-0.2	8942	91.17	180.11	32	8376.79	614.88	-592.28	S	337.96	E	681.92	150.29	3.48	2.88	1.97	-0.2
MWD	4.2	-5.5	8973	92.47	181.00	31	8375.80	645.76	-623.26	S	337.66	E	708.85	151.55	5.08	4.19	2.87	-5.5
MWD	-4.8	-0.8	9005	90.93	180.78	32	8374.85	677.62	-655.24	S	337.17	E	736.90	152.77	4.86	-4.81	-0.69	-0.8
MWD	2.7	2.1	9037	91.79	181.67	32	8374.09	709.48	-687.23	S	336.48	E	765.18	153.91	3.87	2.69	2.78	2.1
MWD	0.4	1.2	9068	91.92	182.26	31	8373.09	740.29	-718.19	S	335.42	E	792.66	154.97	1.95	0.42	1.90	1.2
MWD	-1.9	0.2	9100	91.30	182.80	32	8372.19	772.06	-750.15	S	334.01	E	821.15	156.00	2.57	-1.94	1.69	0.2
MWD	-6.0	-0.2	9131	89.44	182.05	31	8371.99	802.86	-781.12	S	332.70	E	849.02	156.93	6.47	-6.00	-2.42	-0.2
MWD	-5.0	1.4	9163	87.84	181.21	32	8372.75	834.69	-813.09	S	331.79	E	878.18	157.80	5.65	-5.00	-2.63	1.4
MWD	0.2	2.7	9194	87.90	179.34	31	8373.90	865.58	-844.07	S	331.64	E	906.88	158.55	6.03	0.19	-6.03	2.7
MWD	5.4	-1.8	9226	89.63	178.71	32	8374.59	897.52	-876.06	S	332.18	E	936.92	159.23	5.75	5.41	-1.97	-1.8
MWD	9.6	5.0	9257	92.60	177.83	31	8373.99	928.48	-907.03	S	333.12	E	966.27	159.83	9.99	9.58	-2.84	5.0
MWD	4.4	4.6	9289	94.02	177.37	32	8372.14	960.42	-938.95	S	334.45	E	996.74	160.39	4.66	4.44	-1.44	4.6
MWD	2.8	3.8	9320	94.89	177.62	31	8369.73	991.31	-969.83	S	335.81	E	1026.32	160.90	2.92	2.81	0.81	3.8
MWD	0.6	2.7	9352	95.07	178.24	32	8366.96	1023.17	-1001.69	S	336.96	E	1056.84	161.41	2.01	0.56	1.94	2.7
MWD	-5.8	0.8	9383	93.28	178.00	31	8364.70	1054.06	-1032.59	S	337.97	E	1086.49	161.88	5.83	-5.77	-0.77	0.8
MWD	-1.0	0.6	9415	92.97	177.72	32	8362.95	1086.00	-1064.52	S	339.16	E	1117.24	162.33	1.30	-0.97	-0.88	0.6
MWD	-4.3	0.1	9447	91.61	176.98	32	8361.68	1117.96	-1096.46	S	340.64	E	1148.15	162.74	4.84	-4.25	-2.31	0.1
MWD	-1.8	0.0	9478	91.05	175.77	31	8360.96	1148.95	-1127.38	S	342.60	E	1178.29	163.10	4.30	-1.81	-3.90	0.0
MWD	4.8	0.3	9510	92.60	176.17	32	8359.94	1180.93	-1159.29	S	344.85	E	1209.49	163.43	5.00	4.84	1.25	0.3
MWD	-4.6	0.0	9541	91.17	175.00	31	8358.92	1211.91	-1190.18	S	347.23	E	1239.80	163.74	5.96	-4.61	-3.77	0.0
MWD	0.8	0.1	9573	91.42	174.95	32	8358.19	1243.90	-1222.05	S	350.04	E	1271.19	164.02	0.80	0.78	-0.16	0.1
MWD	-0.8	0.0	9605	91.17	175.85	32	8357.47	1275.89	-1253.94	S	352.60	E	1302.57	164.29	2.92	-0.78	2.81	0.0
MWD	-1.4	0.0	9636	90.74	175.47	31	8356.95	1306.89	-1284.84	S	354.95	E	1332.97	164.56	1.85	-1.39	-1.23	0.0
MWD	0.8	0.0	9668	90.99	175.54	32	8356.47	1338.88	-1316.74	S	357.46	E	1364.40	164.81	0.81	0.78	0.22	0.0
MWD	6.2	0.3	9700	92.96	176.75	32	8355.37	1370.86	-1348.65	S	359.61	E	1395.77	165.07	7.22	6.16	3.78	0.3
MWD	-0.4	0.3	9731	92.84	176.71	31	8353.80	1401.82	-1379.56	S	361.37	E	1426.10	165.32	0.41	-0.39	-0.13	0.3
MWD	-2.9	0.1	9763	91.92	175.50	32	8352.47	1433.79	-1411.45	S	363.54	E	1457.52	165.56	4.75	-2.88	-3.78	0.1
MWD	3.0	0.3	9794	92.84	175.91	31	8351.18	1464.76	-1442.34	S	365.86	E	1488.02	165.77	3.25	2.97	1.32	0.3
MWD	-2.7	0.1	9826	91.98	176.08	32	8349.84	1496.73	-1474.23	S	368.10	E	1519.49	165.98	2.74	-2.69	0.53	0.1
MWD	-2.8	0.0	9857	91.11	176.17	31	8349.00	1527.72	-1505.15	S	370.19	E	1550.01	166.18	2.82	-2.81	0.29	0.0

Client: NEWFIELD PRODUCTION COMPANY
Directional: HALLIBURTON
Dates: 10/17/2012 -
County/State: DUCHESNE, UTAH
Surface Location: 295' FNL, 382' FEL
Well Name: UTE TRIBAL 4-24-3-2WH
Drill Rig: PIONEER #62
Depth Reference: GL: 5122' / KB: 5140'
SPUD Date: 10/18/2012
Geologist: MATT DENZER / FRANKLIN HUGHES

Calculation Method: Minimum Curvature
Proposed Azi. 175.91
Main Lateral
Target Angle = 89.00
Target TVD.= 8,375'
BHA = GTB = PTB=

Tool Type	BR	BRN	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)		E/W (ft)		Closure Dist (ft)	Closure Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')	BRN
MWD	2.7	0.1	9889	91.98	178.96	32	8348.14	1559.69	-1537.11	S	371.55	E	1581.38	166.41	9.13	2.72	8.72	0.1
MWD	0.8	0.2	9952	92.47	179.29	63	8345.69	1622.55	-1600.05	S	372.51	E	1642.84	166.89	0.94	0.78	0.52	0.2
MWD	3.2	0.5	10015	94.46	179.89	63	8341.89	1685.30	-1662.93	S	372.96	E	1704.24	167.36	3.30	3.16	0.95	0.5
MWD	-1.9	0.2	10078	93.28	179.40	63	8337.63	1748.02	-1725.79	S	373.35	E	1765.71	167.79	2.03	-1.87	-0.78	0.2
MWD	0.6	0.3	10131	93.58	179.18	53	8334.46	1800.83	-1778.69	S	374.01	E	1817.58	168.13	0.70	0.57	-0.42	0.3
MWD	-1.2	0.1	10194	92.84	178.91	63	8330.94	1863.64	-1841.58	S	375.06	E	1879.38	168.49	1.25	-1.17	-0.43	0.1
MWD	-1.5	0.0	10257	91.91	179.70	63	8328.32	1926.47	-1904.52	S	375.82	E	1941.24	168.84	1.94	-1.48	1.25	0.0
MWD	-2.9	0.0	10321	90.06	179.01	64	8327.22	1990.34	-1968.50	S	376.54	E	2004.19	169.17	3.09	-2.89	-1.08	0.0
MWD	1.1	0.0	10384	90.74	178.89	63	8326.78	2053.25	-2031.49	S	377.69	E	2066.30	169.47	1.10	1.08	-0.19	0.0
MWD	0.9	0.0	10447	91.30	179.23	63	8325.66	2116.15	-2094.47	S	378.73	E	2128.44	169.75	1.04	0.89	0.54	0.0
MWD	3.9	0.2	10510	93.77	179.25	63	8322.88	2178.98	-2157.40	S	379.56	E	2190.53	170.02	3.92	3.92	0.03	0.2
MWD	-1.0	0.1	10573	93.15	179.17	63	8319.07	2241.76	-2220.28	S	380.43	E	2252.63	170.28	0.99	-0.98	-0.13	0.1
MWD	-4.0	0.0	10637	90.56	179.04	64	8317.00	2305.62	-2284.23	S	381.43	E	2315.86	170.52	4.05	-4.05	-0.20	0.0
MWD	2.0	0.0	10700	91.79	179.29	63	8315.71	2368.50	-2347.21	S	382.35	E	2378.15	170.75	1.99	1.95	0.40	0.0
MWD	3.7	0.2	10763	94.14	178.99	63	8312.45	2431.31	-2410.11	S	383.29	E	2440.40	170.96	3.76	3.73	-0.48	0.2
MWD	-4.0	0.0	10826	91.61	178.69	63	8309.29	2494.15	-2473.02	S	384.56	E	2502.74	171.16	4.04	-4.02	-0.48	0.0
MWD	-2.7	0.0	10890	89.88	178.94	64	8308.46	2558.06	-2536.99	S	385.89	E	2566.17	171.35	2.73	-2.70	0.39	0.0
MWD	0.3	0.0	10953	90.06	179.31	63	8308.49	2620.96	-2599.99	S	386.85	E	2628.61	171.54	0.65	0.29	0.59	0.0
MWD	0.4	0.0	11016	90.31	178.38	63	8308.29	2683.87	-2662.97	S	388.12	E	2691.11	171.71	1.53	0.40	-1.48	0.0
MWD	-0.5	0.0	11079	90.00	178.41	63	8308.12	2746.81	-2725.95	S	389.88	E	2753.69	171.86	0.49	-0.49	0.05	0.0
MWD	1.8	0.0	11142	91.11	178.85	63	8307.51	2809.74	-2788.93	S	391.39	E	2816.26	172.01	1.90	1.76	0.70	0.0
MWD	2.7	0.1	11206	92.84	179.78	64	8305.30	2873.58	-2852.88	S	392.15	E	2879.71	172.17	3.07	2.70	1.45	0.1
MWD	-3.5	0.0	11269	90.62	180.81	63	8303.40	2936.37	-2915.85	S	391.83	E	2942.05	172.35	3.88	-3.52	1.63	0.0
MWD	0.2	0.0	11332	90.74	180.75	63	8302.65	2999.13	-2978.84	S	390.97	E	3004.38	172.52	0.21	0.19	-0.10	0.0
MWD	0.9	0.0	11395	91.30	180.96	63	8301.53	3061.89	-3041.82	S	390.03	E	3066.72	172.69	0.95	0.89	0.33	0.0
MWD	-0.3	0.0	11458	91.11	180.34	63	8300.21	3124.66	-3104.80	S	389.32	E	3129.11	172.85	1.03	-0.30	-0.98	0.0
MWD	-1.5	0.0	11522	90.12	179.90	64	8299.52	3188.48	-3168.80	S	389.18	E	3192.60	173.00	1.69	-1.55	-0.69	0.0
MWD	-0.6	0.0	11585	89.75	179.81	63	8299.59	3251.33	-3231.79	S	389.34	E	3255.16	173.13	0.60	-0.59	-0.14	0.0
MWD	3.1	0.0	11648	91.73	180.47	63	8298.78	3314.15	-3294.79	S	389.19	E	3317.69	173.26	3.31	3.14	1.05	0.0
MWD	-1.9	0.0	11711	90.56	180.36	63	8297.52	3376.94	-3357.77	S	388.73	E	3380.20	173.40	1.87	-1.86	-0.17	0.0
MWD	-1.1	0.0	11774	89.88	180.21	63	8297.28	3439.76	-3420.77	S	388.42	E	3442.75	173.52	1.11	-1.08	-0.24	0.0
MWD	3.5	0.0	11837	92.10	179.83	63	8296.19	3502.58	-3483.76	S	388.40	E	3505.34	173.64	3.58	3.52	-0.60	0.0
MWD	-1.6	0.0	11901	91.05	179.01	64	8294.43	3566.44	-3547.73	S	389.05	E	3568.99	173.74	2.08	-1.64	-1.28	0.0
MWD	-2.8	0.0	11964	89.26	179.41	63	8294.26	3629.33	-3610.72	S	389.91	E	3631.71	173.84	2.91	-2.84	0.63	0.0
MWD	-3.6	0.1	12028	86.97	179.24	64	8296.37	3693.18	-3674.67	S	390.67	E	3695.38	173.93	3.59	-3.58	-0.27	0.1
MWD	1.2	0.0	12091	87.71	179.48	63	8299.29	3756.00	-3737.60	S	391.37	E	3758.04	174.02	1.23	1.17	0.38	0.0
MWD	4.3	0.0	12154	90.43	182.14	63	8300.31	3818.75	-3800.58	S	390.48	E	3820.58	174.13	6.04	4.32	4.22	0.0
MWD	3.1	0.1	12217	92.41	181.97	63	8298.75	3881.36	-3863.51	S	388.22	E	3882.97	174.26	3.15	3.14	-0.27	0.1
MWD	2.2	0.1	12280	93.77	181.54	63	8295.36	3943.94	-3926.39	S	386.29	E	3945.35	174.38	2.26	2.16	-0.68	0.1
MWD	0.9	0.2	12343	94.33	181.08	63	8290.91	4006.51	-3989.22	S	384.86	E	4007.74	174.49	1.15	0.89	-0.73	0.2
MWD	-1.5	0.1	12407	93.34	181.33	64	8286.63	4070.09	-4053.06	S	383.51	E	4071.16	174.59	1.60	-1.55	0.39	0.1
MWD	-1.7	0.0	12470	92.28	182.48	63	8283.54	4132.67	-4115.95	S	381.42	E	4133.58	174.71	2.48	-1.68	1.83	0.0
MWD	-0.5	0.0	12533	91.98	182.98	63	8281.19	4195.18	-4178.83	S	378.42	E	4195.93	174.83	0.93	-0.48	0.79	0.0
MWD	-0.7	0.0	12596	91.55	183.28	63	8279.25	4257.65	-4241.71	S	374.99	E	4258.25	174.95	0.83	-0.68	0.48	0.0
MWD	1.2	0.0	12647	92.17	183.48	51	8277.60	4308.19	-4292.59	S	371.98	E	4308.68	175.05	1.28	1.22	0.39	0.0
PRJ	0.0	0.0	12685	92.17	183.48	38	8276.16	4345.83	-4330.49	S	369.68	E	4346.24	175.12	0.00	0.00	0.00	0.0
MWD																		
MWD																		
MWD																		

Daily Activity Report

Format For Sundry

UTE TRIBAL 4-24-3-2WH

11/1/2012 To 3/28/2013

12/28/2012 Day: 1 **Completion**

Rigless on 12/28/2012 - Install and test Tubing head- Test WFD BOP stack as per NFX guidelines- Spotting and filling Water tanks - RNI Filling Water Tanks - 15 Tanks on Frac location - 25 on Top Transfer - 50 on Morril pad = 90 Tanks + 3 Flow Back tanks - Jessen elect Grounding 3 Flow back tanks - Revised Cameron Tbg Head Cost - Arrive on location Hold PJSM and JSA with WFD Crew , Test Blind Rams , Top and Bottom 4 1/2 pipe rams , 10K master valve and all Flanges to TWCV , Tested all 2 1/16 valves on Flow Cross - and BTM BOP , to 250 Psi low and 10K high , Also tested 5k annular bag to 70% working pressure 3,500 Psi . Tubing Hanger and TWCV still installed in well Head - Cameron, Hammer Constr. On loc. Hold PJSM. Install Head. Description as follows:1-Tubing Head, type C 11" 5M x 7 1/16" 10M,1-11" M x 7" 10M NX Prep, Ring Gasket API R-54 PSL 4 CS ZN PLT,2- Companion Flange 1 13/16" x 2" LP,2- Companion Flange 1 13/16" x 2" LP, Ring Gasket API BX-151 PSL 4 CS ZN PLT,4- Gate Valves FLS 1 13/16" 10M. Tested components as per procedure 250 psig low for 5 minutes and 10K psig high for 10 minutes
Daily Cost: $0
Cumulative Cost: $33,557

12/29/2012 Day: 2 **Completion**

Rigless on 12/29/2012 - no activity - no activity
Daily Cost: $0
Cumulative Cost: $41,725

12/30/2012 Day: 3 **Completion**

Rigless on 12/30/2012 - Run CBL - JSA and safety meeting with The Perforators logging crew and Weatherford testers. Spot in logging trk and crane. Remove 2 7/8? tbg hanger and TWCV. NU WL BOP and 5 ?? 5K lubricator. PU GR probe (3.5? L x 2.75? O.D.)-CCL Probe (1.42?L x 2.75? O.D.)-Titan Big Cent (3.00? L x 2.75? O.D.)-CBL-P (8.75? L x 2.75? O.D.)-Titan Big Cent (3.0? L x 2.75? O.D.). Test lubricator to 5000 psi for 5 minutes, OK. Run a 0 p.s.i. @ 1,000? section from 7980?-6950? Run CBL from 8,000? to surface, with 1500 p.s.i. on wellbore while charting with Weatherford. TOL @ 7,786? by Perforators log. TOC @ surface. Correlate logs to Halliburton open hole log dated 10-27-2012. Drain & winterize wellhead. Heat frac tanks to 100?. Secure wellhead & location. SDFN.
Daily Cost: $0
Cumulative Cost: $83,448

12/31/2012 Day: 4 **Completion**

Rigless on 12/31/2012 - No Activity, Cost update - No Activity
Daily Cost: $0
Cumulative Cost: $171,824

1/1/2013 Day: 5 **Completion**

Basin #4 on 1/1/2013 - Prep location for WOR. - Prep location for WOR.
Daily Cost: $0
Cumulative Cost: $183,187

1/2/2013 Day: 6 **Completion**

Rigless on 1/2/2013 - MIRU WOR. PU frac string. - MIRU Mountain States WOR. Spot in Equipment. Set frac string on racks. Clean and drift pipe. - MIRU Franks Casing crew. Continue to clean and drift pipe. Tally 64 Jts of (PINK BAND) 4-1/2", 13.5#, P-110 BTC casing. - HSM, JSA. RIH w/Halliburton Seal Bore Assembly For Versa Flex Expandable Liner Hanger 5.317" OD x 3.795" ID x 11.85' long, No Go 5.836" OD x 3.795" ID x 0.91' long, X/Over sub 5.03" OD x 3.795" ID x 1.07' long, QN Nipple 5.03" OD x 3.775" ID x 1.65', (Total length 15.79?) W/30 Jts (1,212') (PINK BAND) 4.500" 13.5# P-110 BT Casing Torque Turn W/ LOR threads inspector on floor 10 joint average of 4560 ft./lbs.+/- 10#.
Daily Cost: $0
Cumulative Cost: $203,588

1/3/2013 Day: 7 **Completion**

WWS #7 on 1/3/2013 - Continue RIH & torque Turn 4.500' casing. Land casing w/50K compression. Test PBR to 4,010 psi. RDMO Frac casing crew, RD rig floor, ND 7-1/16" 5K annular, 7-1/16" 10K. - Thaw out frozen pump. - PU 68 jts 4 1/2", 13.5#. P-110, BT&C green band frac string. Used low stress tong dies, BOL 72733 thread compound, applied moly before doping pipe, and applied TTP band for proper jt make-up.Rep with LOR on floor to witness make-up. Tag liner top at 7768' on jt # 197. LD jts #197 and 196. - RIH w/Halliburton Seal Bore Assembly For Versa Flex Expandable Liner Hanger 5.317" OD x 3.795" ID x 11.85' long, No Go 5.836" OD x 3.795" ID x 0.91' long, X/Over sub 5.03" OD x 3.795" ID x 1.07' long, QN Nipple 5.03" OD x 3.775" ID x 1.65', (Total length 15.79?) W/65 Jts (2,566') & (ttl 129 jts in hole 5,124') (PINK BAND) 4.500" 13.5# P-110 BT Casing Torque Turn W/ LOR threads inspector on floor. - Tally 65 Jts (PINK BAND) 4.500" 13.5# P-110 BT Casing. - HSM, JSA. RIH w/Halliburton Seal Bore Assembly For Versa Flex Expandable Liner Hanger 5.317" OD x 3.795" ID x 11.85' long, No Go 5.836" OD x 3.795" ID x 0.91' long, X/Over sub 5.03" OD x 3.795" ID x 1.07' long, QN Nipple 5.03" OD x 3.775" ID x 1.65', (Total length 15.79?) W/34 Jts (1,346') & (ttl 64 jts in hole 2,558') (PINK BAND) 4.500" 13.5# P-110 BT Casing Torque Turn W/ LOR threads inspector on floor - Displace hole with 260 bbl packer fluid at 2 bpm. Water temp 95 degrees. - Tag TOL @ 7,786' on Jt #197 w/4' in. Set down 50,000 lbs compression w/SO wt 80K. POOH w/2 Jts 4.500", 13.5#, P-110 BTC Casing, Spaced out. Neutral wt 128K, PU wt 138K & SO wt 120K. Casing detail consisting of: Halliburton Seal Bore Assembly For Versa Flex Expandable Liner Hanger 5.317" OD x 3.795" ID x 11.85' long, No Go 5.836" OD x 3.795" ID x 0.91' long, X/Over sub 5.03" OD x 3.795" ID x 1.07' long, QN Nipple 5.03" OD x 3.775" ID x 1.65', (Total length 15.48?) 196 Jts (7,734.37?) 4.500?, 13.5#, P-110 BTC casing, 27.85? 4.500?, 13.5#, P-110 BTC Pup jt & installed 4.500? casing hanger (used) (1.65?). Land casing hanger, secure lock-in-screws. (TOL @ 7,785.5' & Top QN @ 7,782? CM. Plan is to Pressure test PBR to 4,010 psi for 10 min. - MIRU Weatherford Test Unit. Pressure test annulus, casing and lower hanger seal from below to 4,010 psi, for 10 min w/no leak off w/chart. - LD 4.500" landing jt. Closed manual frac valve. RDMO Franks casing crew. RD rig floor. ND 7-1/16" 5K annular BOP. - Tie back on single line.
Daily Cost: $0
Cumulative Cost: $256,963

1/4/2013 Day: 8 **Completion**

WWS #7 on 1/4/2013 - Continue to ND 7-1/16" 10K BOP stack, Install TWCV into casing

hanger, Test TWCV & casing hanger top seal, NU 10K 4-1/16" Frac stack, test same. RDMO MT WOR & Equipment. Release all WOR equipment. Prep for frac. - Well heater and trap over well. No Activity - RDMO WOR. Secure well, location, and equipment. SDFN. - Finish NU frac stack. Test extended neck seals via access port on adaptor spool to 250 psi for 10 minutes, no leak off. BO pressure. Test seals to 10,000 psi for 10 minutes, OK. Spot in Weatherford test unit. Function and pressure test hydraulics on HCR valve to 1500 psi for 10 minutes, OK. Had to heat frac stack so valves would turn, chart recorder had to be worked on due to cold weather. Perform dead head test on pump. Shell test stack to 250 psi for 10 minutes, no leak off. BO pressure. Pressure test stack to 10000 psi for 10 minutes, OK. Close HCR valve. BO stack to 250 psi. Monitor pressure for 10 minutes, OK. Test upper master valve from above, crown valve from below, and bbl wing valves to 250 psi for 10 minutes, OK. BO pressure. Pressure to 10,000 psi for 10 minutes, no leak off. BO pressure. Remove TWCV. Install night cap. Winterize frac stack. - NU Cameron 10K x 4-1/16" extended neck casing head adapter spool, Weatherford 10K 4-1/16" "Lower Master valve" hydraulic frac valve (HRC), 10K 4-1/16" "Upper Master" manual frac valve, 10K 4-1/16" flow cross w/dual, double 2-1/16" outlets & 10K 4-1/16" "Crown" manual frac valve. - Continue ND double 7-1/16" 10K BOP w/blind rams, double 2-1/16" gate valve outlets, pipe rams w/4-1/2" rams & 7-1/16" 10K manual frac valve. - Continue to ND 7-1/16" 5K x 10K adapter spool, 7-1/16" 10K single BOP w/4-1/2" pipe rams, 7-1/16" 10K flow cross w/dual double 2-1/16" 10K gate valve outlets. Open manual frac valve. Installed TWCV into casing hanger. RU Weatherford test unit to double valve outlets, test TWCV & top casing hanger seal to 250 for low, for 5 min. Test Ok. BO pressure. Test same to 10,000 psi for 10 min, Test Ok. BO pressure. Continue ND double 7-1/16" 10K BOP w/blind rams, double 2-1/16" gate valve outlets, pipe rams w/4-1/2" rams & 7-1/16" 10K manual frac valve.
Daily Cost: $0
Cumulative Cost: $293,288

1/5/2013 Day: 9 **Completion**

Rigless on 1/5/2013 - Prep for frac - Move Mountain States WOR and equipment off location. Spot in Halliburton frac equipment, fill sand kings. Rock water 4 1/16" 10K ball catcher system on loc. Finished hauling water (RNI Trucking). Heating frac tanks (Preferred HO Serv.) on Morrill pad, Sand roads (4C Trucking) to Morrill pad due to icy roads, Hammer treating frac tanks w/ chemicals. Remove crown master valve and flow cross with 2 1/16" wing valves from frac stack. Wait on 4 1/16" flow cross to be delivered. - MI & spotting frac equipment. Continue to load sand chief with 30/50 and 100 mesh.. Continue to wait on Weatherford 4-1/16" 10K flow cross. - Preferred Hot oiler on location to heat tanks to 115*. Unloaded & NU Weatherford 4-1/16" 10K flow cross w/dual 4-1/16" 10K gate valves, 4-1/16" 10K "Crown" manual frac valve. NU Rock Water ball Cather and flow lines. RU Weatherford to torque all bolts.
Daily Cost: $0
Cumulative Cost: $319,444

1/6/2013 Day: 10 **Completion**

Rigless on 1/6/2013 - Heat frac water to 115*. NU Weatherford 4-1/16' 10K flow cross, 4-1/16" 10K "Crown" manual frac valve, Rock Water ball catcher, flow lines & test same. MIRU Halliburton frac equipment. - Continue to RU Halliburton frac equipment. 4-C clean cellar out for Halliburton to RU transducer on 9-5/8' intermediate - Install new `crown? master valve. Pressure test flow cross and all 4 1/16? wing valves to 250 psi low and 10,000 psi high for 10 minutes, no leak off. Test flowback to 250 psi and 10,000 psi for 10 minutes, OK. NU Halliburton frac head. Test to 250 psi and 10,000 psi for 10 minutes, OK. Rig up Halliburton. Continue to heat wtr. - Weatherford on location to repair Crown manual frac valve w/no results. ND 4-1/16" 10K Crown manual frac valve. Wait on replacement valve. - Preferred Hot

oiler on location to continue to heat frac water. RU Weatherford test unit to Rock Water flow lines, test ball catcher, all valves, flow lines to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 10,000 psi, found several rubber seals leaking. Hammer up hammer union, retest ball cather, valves to 10,000 psi for high, for 10 min. - RU Weatherford test until to test flow cross, and crown valve, outside gate valves to 250 psi for low, for 5 min w/upper master valve close. Test OK. BO pressure. Test same to 10,000 psi for high. Crown manual frac valve leaking at stim. NO TEST. Waiting on Weatherford to repair or replace Crown manual frac valve to continue pressure testing. BO pressure.
Daily Cost: $0
Cumulative Cost: $343,737

1/7/2013 Day: 11 **Completion**

Rigless on 1/7/2013 - MIRU Halliburton Frac equipment, Frac Stg #1, 2, Drop & pumped ball down for stg #3, open sleeve #3, pumped acid away. SD to repair blender and LGC LA pump. Frac stage #3, 4 - 2336 Stage #4 complete. SD to found ball. Ray w/Stem Tech has email into Engineer to see if we can pump the extra ball. 0014 Found ball stuck in sand in 4? ?Y? below HCR valve. Clean sand out. Plan is to raise ball dropper up so sand doesn?t pack off in 4? ?Y?., PT lines, drop 1.510? #13 ball & pump ball down for stage #5. - JSA and safety meeting. Pump ball and open sleeve. Pump 3764 bbl slick water. Frac stage 4 as follows:. Avg rate: 34 bpm, Avg press: 7,660 psi, Max rate: 35 bpm, Max press: 8,050 psi. Total 100 mesh 5,500 lbs of 0.5-1 ppg, 30/50 75,000 lbs of 1-5 ppg. Avg HHP: 6,327. Total load to recover 2,286 bbls. Drop 1.510? #13 ball for stage #5. Did not see ball hit or sleeve open. Pumped 309 Bbls slickwater. Comments: 1. Mechanical pop off set at 9,300psi 2. Able to get to rate with no problems, no acid run on stage. 3. Xlink slow to come on, reduced rate to get lined out before going to 100 Mesh. 4. Prop conc ran low, only pumped approx 80,500lbs on for job. Not programmed correctly, error in paperwork. Have made corrections for stage 5. 5. Able to place job with no problems. 6. Did not see any ball action - tried adjusting rate, coming off line, etc. Broke line apart and found ball, did not clear lines. Re-sent ball after clearing line of residual sand. Ball Seat Stage Pressures and Rate: 6535 psi @ 9.8 bpm , 4740 psi Pressure before Seating , 4825 psi Pressure after Seating LGC-36-11.9% (29.1), BC-200-23% (25.2), FR-66-57.3% (10.7), CL-31-61.3% (7.9) Scalechek-5.7% (13.1), Optiflo II-9.7% (2.7), Losurf 300D-27.1% (26) , CLA-Web-27.1% (13), B-8630-19.8% (3.8) - JSA and safety meeting. Pump ball and open sleeve. Pump 40 bbl 15% HCl acid. Pump 338 bbl slick water. Frac stage 3 as follows:. Avg rate: 34 bpm, Avg press: 8,215 psi, Max rate: 35 bpm, Max press: 8,775 psi. Total 100 mesh 5,518 lbs of 0.5-1 ppg, 30/50 84,402 lbs of 0.5-4 ppg. Avg HHP: 6,846. Total load to recover 1,991 bbls. Drop 1.455? #12 ball for stage #4. Saw ball seat and sleeve shift with 2,172 psi. Comments: 1. Mechanical pop off set at 9,300psi 2. Could not get BC-200 to come on, extended pad. Had to shutdown to fix. 3. Trouble keeping BC-200 lined out during job, had low Xlink pH 8.8-8.9 & weak surface xlink. Swapped from auto to manual. Ran approx half the amount needed for BC-200. 4. Able to place job competely. Ball Seat Stage Pressures and Rate: 7310 psi @ 9.9 bpm , 5130 psi Pressure before Seating , 4865 psi Pressure after Seating LGC-36-16.9% (41.6), BC-200-54.7% (60.5), FR-66-16% (1.9), CL-31-23.1% (3) Scalechek-5.3% (12.4), Optiflo II-13.7% (3.5), Losurf 300D-28.2% (23.6) CLA-Web-28.2% (11.8), B-8630-70.1% (11.7) - 1800 Finish stg #2 frac. Pumped 1.400? #11 ball for stage #3, saw ball seat and sleeve shift. Pumped 27.2 Bbls of 15% HCL acid. Currently SD, getting 5,10,15 min pressure reading. SD to repair clean flow meter on blender and LGC LA pump. - Pump ball and open sleeve. Pump 27.2 bbl 15% HCl acid. Pump 338 bbl slick water. Frac stage 2 as follows:. Avg rate: 31 bpm, Avg press: 8,309 psi, Max rate: 32 bpm, Max press: 8,738 psi. FG.0.975, Total 100 mesh 5,089 lbs of 0.5-1 ppg, 30/50 85,112 lbs of 0.5-4 ppg. Avg HHP: 6,211. Total load to recover 1,922 bbls. 5 min: 4,155 psi, 10 min: 4,091 psi & 15 min: 4,055 psi. Drop 1.400? #11 ball for stage #3. Saw ball seat and sleeve shift with 2,072 psi. Comments: Mechanical pop off set at 9,300 psi. Delayed job start due to replacing crush caps on pumps and having to roll the hydro before the job. Lost the mag pick up on the clean flow meter at start of 3 ppa sand,

able to swap to calculated to finish the job. Seat ball and open port for S3. Come off line to work on clean flow meter on blender. Have to work on LGC LA pump. Readings are correct for mixing, but visc and strap continue to run hot. Using way too much gel and BC-200. Checking Las between stages Overall good job execution by the crew. Ball Seat Stage Pressures and Rate: 7353 psi @ 9.4 bpm , 5281 psi Pressure before Seating , 5219 psi Pressure after Seating . LGC-36-91.3% (227.2), BC-200-57.6% (61.4), FR-66-10.3% (1.1), CL-31-11.6% (1.5) , Optiflo II-7.2% (1.9), Losurf 300D-23.9% (19.3) , B-8630-23.9% (3.9) - SD to repair frac pumps. - . Pump ball to toe and open sleeve. Pump 47 bbl 15% HCl acid.Pump 339 bbl slick water. SD to repair chemical pumps.Frac stage 1 as follows:. Avg rate: 24 bpm, Avg press: 8402 psi, Max rate: 28 bpm Max press: 8,797 psi. FG.0.917, Total 100 mesh: 5297 lbs, 30/50 68577 lbs. Avg HHP: 4963. Total load to recover 2,304 bbls. Drop 1.345? ball. Saw ball seat and sleeve shift with 1268 psi.Comments: Pop off set to 9,300 psi. Ran a 19#, gel was coming in weak initially on the hydro fill. Could not get a XL before starting 100 Mesh. Came offline to trouble shoot. Changed pump for BC-200 and blew down chem lines. Re-bucket test and checked injection ports. Well treated high, brought up rate as pressure allowed Seated ball and came off line to fix crush caps on pumps. Overall good job execution, working out problems. Ball Seat Stage Pressures and Rate: 7099 psi @ 11.2 bpm , 5408 psi Pressure before Seating , 5831 psi Pressure after Seating LGC-36-50% (141.8), BC-200-6.9% (7.9), FR-66-9.9% (2.7), CL-31-168.2% (22.6) Scalechek-15.1% (25.5), Optiflo II-10.1% (3), Losurf 300D-65.4% (63.3) CLA-Web-55% (26.6), B-8630-80.9% (15.7) - JSA and safety meeting. Prime pumps and test lines to 9,730 psi, OK. Set pop off on 4 ?? x 7? annulus to 3970 psi. Wait on seal for frac head, replace seal. Drop .785? ball. Repair blender, had air in fuel line. - Continue to RU Halliburton Frac Equipment. - MI & Spot frac van, installing transducer.

Daily Cost: $0

Cumulative Cost: $389,679

1/8/2013 Day: 12 **Completion**

Rigless on 1/8/2013 - Frac stages #5,6,7,8,9,10,11,12 & 13 - 1916 Currently Waiting on enough heated water to continue frac - JSA and safety meeting. Drop & Pump 1.510" #13 ball and open sleeve with 1,795 psi. Pump 215 bbl slick water. Frac stage 5 as follows:. Avg rate: 33 bpm, Avg press: 7,610 psi, Max rate: 35 bpm, Max press: 9,355 psi. Total 100 mesh 3,029 lbs of 0.5-1 ppg, 30/50 94,571 lbs of 1-5 ppg. Avg HHP: 6,230. Total load to recover 1,473 bbls. Drop 1.565 ? #14 ball for stage #6, pressure out while flushing 5 ppg 30/50 sand. Put away 82,020# in formation, 15,580# was left in well bore. Comments: 1. Mechanical pop off set at 9,300psi 2. Had problems keeping up with sand during job - sanded off T-Belt, could not get more than 5ppg from blender. 3. Extended the 5ppg sand to pump the designed volume of sand. 4. Had slope change in pressure just before going to flush, pressured out during flush. 5. Placed approx 82,020lbs on formation, left approx 15,580lbs of prop in pipe. LGC-36-6.8% (12.7), BC-200-15.5% (13), FR-66-20.8% (1.6), CL-31-49.4% (4.9) Scalechek-24.3% (44.8), Optiflo II-67.6% (12.5), Losurf 300D-18% (11.1) , CLA-Web-13.1% (4.1), B-8630-13.1% (1.6) - 02:00 SICP 8,300 psi. Currently FB well on 36/64? choke, 800 psi. 03:38 FB 350 Bbl. Final pressure 2,000 psi. Close ?Upper Master? manual frac valve. Pumped 10 Bbls of 10# brain though FB lines to FB tank. Close 4-1/16? 10K FX valves. Pressure up on ?Upper Master? manual frac valve to 4,000 psi, open well. Plan is to flush well, Drop 1.565? #14 ball, frac stage #6. NOTE: Found no balls in ball catcher. - JSA and safety meeting. Flush well w/258 Bbls slick water. Drop & Pump down 1.565" #14 ball and sleeve shift with 1,563 psi. Pump 233 bbl slick water. Frac stage 6 as follows:. Avg rate: 35 bpm, Avg press: 7,165 psi, Max rate: 36.7 bpm, Max press: 7,945 psi. Total 100 mesh 3,046 lbs of 0.5-1 ppg, 30/50 148,554 lbs of 1-6 ppg. Avg HHP: 6,146. Total load to recover 2,306 bbls. Drop 1.620? #15 ball. Saw ball seat and sleeve shift with 2,645 psi. Comments 1. Mechanical pop off set at 9,300psi 2. Transfer pump to BC-200 Hal-tank on Blender stopped working during 1ppg 30/50 Sand stage. Flushed well & shutdown to fix. 3. Re-calibrated screws between jobs, prop conc lined up better. 4. Scalecheck fluctuated thru out job. 5. Able to

place job completely. Ball Seat Stage Pressures and Rate: 7990 psi @ 9.9 bpm , 5345 psi Pressure before Seating , 6850 psi Pressure after Seating LGC-36-17.9% (44.4), BC-200-11.7% (10.7), FR-66-30% (2.1), CL-31-85.3% (9.2) , Scalechek-4.1% (8.4), Optiflo II-45.8% (12.3), Losurf 300D-22.5% (21.8) CLA-Web-11.2% (5.4), B-8630-7.1% (1.4) - JSA and safety meeting. Pump 3,726 bbl slick water. Frac stage 10 as follows:. Avg rate: 29 bpm, Avg press: 5,574 psi, Max rate: 36 bpm, Max press: 7,695 psi. Total 100 mesh 3,108 lbs of 0.5-1 ppg, 30/50 80,503 lbs of 1-6 ppg. Avg HHP: 4003. Total load to recover 2,043 bbls. Drop 2.038? #10 ball. Saw ball seat and sleeve shift with 826 psi. Comments: Mechanical pop off set at 9,300psi Lost blender suction on 3 ppa, had to flush well. Found out the hydro level was getting too low in the front. Redesigned the job for a quick ramp to stay in the sand volume for the stage, and finished out the stage. Sanded off the belt on the Mover, able to swap movers in time to keep going. Pressure started coming up on 4 ppa, 5 ppa in the pipe. Cut screws and flushed. Wellbore flushed and pressure dropped. Launched ball to open s11. Overall good job execution. Ball Seat Stage Pressures and Rate: 7081 psi @ 11.8 bpm , 5475 psi Pressure before Seating , 6265 psi Pressure after Seating LGC-36-45.8% (78.5), BC-200-37.5% (28.9), SP-10.2% (2.3), FR-66-13.3% (1.6), CL-31-65.4% (5.9) Scalechek-16.5% (24.7), Optiflo II-66.7% (18.4), Losurf 300D-30.1% (25.8) , CLA-Web-18.5% (7.9), B-8630-41.8% (7.2) - SD to transfer hot water - JSA and safety meeting. Pump 3,726 bbl slick water. Frac stage 11 as follows:. Avg rate: 33 bpm, Avg press: 6,726 psi, Max rate: 36 bpm, Max press: 7,862 psi. Total 100 mesh 3,062 lbs of 0.5-1 ppg, 30/50 98,201 lbs of 1-6 ppg. Avg HHP: 5,753. Total load to recover 1,245 bbls. Drop 2.185? #11 ball. Saw ball seat and sleeve shift. Comments Mechanical pop off set at 9,300psi Lost blender suction on 3 ppa, had to flush well. Found out the hydro level was getting too low in the front. Redesigned the job for a quick ramp to stay in the sand volume for the stage, and finished out the stage. Sanded off the belt on the Mover, able to swap movers in time to keep going. Pressure started coming up on 4 ppa, 5 ppa in the pipe. Cut screws and flushed. Wellbore flushed and pressure dropped. Launched ball to open s11. Overall good job execution. Ball Seat Stage Pressures and Rate: 7081 psi @ 11.8 bpm , 5475 psi Pressure before Seating , 6265 psi Pressure after Seating LGC-36-45.8% (78.5), BC-200-37.5% (28.9), SP-10.2% (2.3), FR-66-13.3% (1.6), CL-31-65.4% (5.9) Scalechek-16.5% (24.7), Optiflo II-66.7% (18.4), Losurf 300D-30.1% (25.8) CLA-Web-18.5% (7.9), B-8630-41.8% (7.2) - JSA and safety meeting. Pump 1140 bbl slick water. Frac stage 7 as follows:. Avg rate: 34 bpm, Avg press: 7295 psi, Max rate: 37 bpm, Max press: 7930 psi. Total 100 mesh 3027 lbs of 0.5-1 ppg, 30/50 88,589 lbs of 1-6 ppg. Avg HHP: 5990. Total load to recover 1201 bbls. Drop 1.675? #16 ball. Saw ball seat and sleeve shift with 430 psi. Comments: 1. Mechanical pop off set at 9,300psi 2. Sanded off T-belt during the 1.0ppg 100 Mesh stage, reduced rate to get belt cleared. 3. Had dip in prop conc during the 2.0ppg sand stage. 4. Sanded off T-belt during 6.0ppg 30/50 sand stage, cut stage short and went to flush. Were short approx 9,00olbs for job. 5. No problems placing job. Ball Seat Stage Pressures and Rate: 5730 psi @ 12.2 bpm , 5420 psi Pressure before Seating , 5300 psi Pressure after Seating LGC-36-27.3% (39.7), BC-200-2.5% (1.7), FR-66-27.3% (1.9), Scalechek-5.5% (8), Optiflo II-79.9% (13.8), Losurf 300D-6.8% (3.4) CLA-Web-12.8% (3.2), B-8630-10.8% (1.1) - JSA and safety meeting. Pump 2324 bbl slick water. Frac stage 8 as follows:. Avg rate: 32 bpm, Avg press: 4103 psi, Max rate: 36 bpm, Max press: 8616 psi. Total 100 mesh 3044 lbs of 0.5-1 ppg, 30/50 118,117 lbs of 1-6 ppg. Avg HHP: 3238. Total load to recover 2385 bbls. Drop 1.730? ball. Saw ball seat and sleeve shift with 855 psi. Comments: Mechanical pop off set at 9,300psi Had to come off line at the start of the 1.0ppg 30/50 sand stage, lost blender tub. Lost Blender tub again in the 2.0ppg sand stage, problems with suction pump, came off line to look at problem. Down 3:45 Open well at 3,776 psi. Come back online and restart at 1 ppa 30/50. coiuld not get going on BC-200. Had to come offline to troubleshoot. Start sand, bad base fluid, had to temp flush to get a base fluid and restart. Could not achieve 6 ppa, could only get to 5.3 ppa. Ball Seat Stage Pressures and Rate: 7055 psi @ 11.4 bpm , 5495 psi Pressure before Seating , 6200 psi Pressure after Seating LGC-36-5.4% (14.2), BC-200-63.7% (62.7), SP-10.7% (2), FR-66-499.7% (39.2), Scalechek-36.4% (80.3), Optiflo II-9.4% (2.7), Losurf 300D-40.1% (40.2) CLA-Web-20.2% (10.1), B-8630-45.1% (9) - JSA and safety meeting. Pump 1376 bbl slick water. Frac stage 9 as follows:. Avg rate: 30 bpm, Avg press: 7851 psi, Max rate: 36 bpm,

Max press: 8963 psi. Total 100 mesh 2823 lbs of 0.5-1 ppg, 30/50 104,137 lbs of 1-6 ppg. Avg HHP: 5754. Total load to recover 1437 bbls. Drop 1.891? #9 ball. Saw ball seat and sleeve shift with 1857 psi. Comments: Mechanical pop off set at 9,300psi Pressure spiked with 100 Mesh XL on, had 1 ppa in the pipe and staged to 2 ppa. Cut prop and started to flush with XL. Rate down to 11 bpm, able to start working back up. Started 1 ppa again. Kept seeing good relief, staged into 2 ppa. Remainder of job pumped with out any major problems. Ball Seat Stage Pressures and Rate: 7562 psi @ 11.9 bpm , 5476 psi Pressure before Seating , 5705 psi Pressure after Seating BC-200-23.2% (18.1), SP-25.8% (5.9), FR-66-13.3% (1.2), CL-31-12.7% (1.2) Scalechek-18.3% (30.6), Optiflo II-45.6% (9.7), Losurf 300D-33.7% (20.4) CLA-Web-17.2% (5.2), B-8630-17.2% (2.1) - JSA and safety meeting. Pump 288 bbl slick water. Frac stage 12 as follows:. Avg rate: 33 bpm, Avg press: 6,542 psi, Max rate: 35 bpm, Max press: 8,163 psi. Total 100 mesh 2,794 lbs of 0.5-1 ppg, 30/50 98,143 lbs of 1-6 ppg. Avg HHP: 5,307. Total load to recover 1,275 bbls. Drop 2.332? #12 ball. Saw ball seat and sleeve shift. Comments Mechanical pop off set at 9,300psi Sanded off one of the MM belts, able to swap over. Lost blender tub at flush swapping over to water. Good job execution by the crew. Ball Seat Stage Pressures and Rate: 7249 psi @ 10.5 bpm , 5157 psi Pressure before Seating , 5252 psi Pressure after Seating LGC-36-15.8% (23.3), BC-200-26.5% (17.6), SP-13% (2.5), FR-66-20.8% (1.8), CL-31-36% (2.8) Scalechek-34.3% (49.1), Optiflo II-31.1% (6.2), Losurf 300D-12.1% (6.5) CLA-Web-6.6% (1.8), B-8630-53.3% (5.7) Mechanical pop off set at 9,300psi Sanded off one of the MM belts, able to swap over. Lost blender tub at flush swapping over to water. Good job execution by the crew. Ball Seat Stage Pressures and Rate: 7249 psi @ 10.5 bpm , 5157 psi Pressure before Seating , 5252 psi Pressure after Seating LGC-36-15.8% (23.3), BC-200-26.5% (17.6), SP-13% (2.5), FR-66-20.8% (1.8), CL-31-36% (2.8) Scalechek-34.3% (49.1), Optiflo II-31.1% (6.2), Losurf 300D-12.1% (6.5) CLA-Web-6.6% (1.8), B-8630-53.3% (5.7) - 1800 Held Safety Stand Off with all Vendor and NFX Employees on location.. - JSA and safety meeting. Pump 250 bbl slick water. Frac stage 13 as follows:. Avg rate: 34 bpm, Avg press: 6,190 psi, Max rate: 35 bpm, Max press: 7,270 psi. Total 100 mesh 2,988 lbs of 0.5-1 ppg, 30/50 98,021 lbs of 1-6 ppg. Avg HHP: 5,143. Total load to recover 1,259 bbls. Drop 2.479? #13 ball. Saw ball seat and sleeve shift with 2,773 psi. Comments 1. Mechanical pop off set at 9,300psi 2. Trouble lining out BC-200 in auto, had to take ot manual for remainder of job. 3. Had couple of dips in prop conc while swapping compartments on MM. 4. Able to place job with no problems. Ball Seat Stage Pressures and Rate: 8130 psi @ 9.9 bpm , 5355 psi Pressure before Seating , 5100 psi Pressure after Seating BC-200-24.2% (16.6), FR-66-15.9% (1.3), CL-31-36.6% (2.9) , Optiflo II-82.9% (15), Losurf 300D-5.4% (2.9) CLA-Web-24.3% (6.4),

Daily Cost: $0

Cumulative Cost: $429,376

1/9/2013 Day: 13 **Completion**

Rigless on 1/9/2013 - Frac stage 14, SD to repair pumps. Frac stages 15,16,17,18,19,20. MIRU JW WL. TIH w/JB/GR w/3.625" OD. - SD to repair Halliburton ground manifold. Repair complete to ground manifold. - JSA and safety meeting. SICP 3,744 psi. Pump 234 bbl slick water. Frac stage 16 as follows:. Avg rate: 36 bpm, Avg press: 6,010 psi, Max rate: 38 bpm, Max press: 6,595 psi. Total 100 mesh 3,027 lbs of 0.5-1 ppg, 30/50 98,694 lbs of 1-6 ppg. Avg HHP: 5,288. Total load to recover 1,193 bbls. Drop 2.920? #16 ball. Saw ball seat and sleeve shift with 2,570 psi. Comments 1. Mechanical pop off set at 9,000psi 2. Sucked air on water tanks during the 2ppg 30/50 sand stage, caused adds on GelPro to fluctuate. 3. Had leak on HSE water manifold, flushed thru Hydro with linear gel & shut down after shifting sleeve to fix. 4. No other issues, overall good job by crew. No problems placing job. Ball Seat Stage Pressures and Rate: 7710 psi @ 10 bpm , 5140 psi Pressure before Seating , 6630 psi Pressure after Seating LGC-36-7.4% (11.3), BC-200-9.7% (6.2), SP-11.9% (2.2), Scalechek-3.3% (4.4), Losurf 300D-14.1% (6.7) CLA-Web-26.7% (6.3), B-8630-39.7% (4) - JSA and safety meeting. SICP 3744 psi. Pump 231 bbl slick water. Frac stage 15 as follows:. Avg rate: 35 bpm, Avg press: 5,424 psi, Max rate: 36 bpm, Max press: 7,305 psi. Total 100

mesh 3,030 lbs of 0.5-1 ppg, 30/50 98,230 lbs of 1-6 ppg. Avg HHP: 4,666. Total load to recover 1,254 bbls. Drop 2.773? #15 ball. Saw ball seat and sleeve shift with 2,755 psi. Comments 1. Mechanical pop off set at 9,000psi, had to reset & test. 2. Trouble lining out BC-200 at start of job. 3. Had drop in prop conc in 5ppg 30/50 sand stage, swapped compartments. 4. No problems placing job, overall good job by crew. Ball Seat Stage Pressures and Rate: 7790 psi @ 9.8 bpm , 5035 psi Pressure before Seating , 4790 psi Pressure after Seating LGC-36-10% (15.5), BC-200-12.2% (8.5), SP-11.9% (2.4), CL-31-14.4% (1.2) Scalechek-2.1% (3), Optiflo II-6.2% (1.9), - SD to repair Halliburton pumps. Pump repairs complete. Set Pop off to 9,000 psi. Pressure test to 9,800 psi. - JSA and safety meeting. Pump 250 bbl slick water. Frac stage 14 as follows:. Avg rate: 35 bpm, Avg press: 5,850 psi, Max rate: 36 bpm, Max press: 7,125 psi. Total 100 mesh 3,027 lbs of 0.5-1 ppg, 30/50 148,160 lbs of 1-6 ppg. Avg HHP: 4,990. Total load to recover 1,608 bbls. Drop 2.626? #14 ball. Saw ball seat and sleeve shift with 2,725 psi. Comments 1. Mechanical pop off set at 9,300psi 2. Had to bring pump off at the start of the 3ppg 30/50 sand stage, made rate up with rest of pumps. 3. Had couple jobs jacking during job, had to adjust rate. 4. Able to place job with no problem. 5. Shut down after seating ball to work on pumps - valves, crush cap and replace pump. Ball Seat Stage Pressures and Rate: 8255 psi @ 9.8 bpm , 5530 psi Pressure before Seating , 5635 psi Pressure after Seating LGC-36-6.6% (13.4), BC-200-2.2% (2), CL-31-35.3% (3.8) Scalechek-2.7% (5.6), Losurf 300D-6.7% (4.6) CLA-Web-8.2% (2.8), - JSA and safety meeting. SICP 4,020 psi. Pump 1155 bbl slick water. Frac stage 17 as follows:. Avg rate: 36 bpm, Avg press: 5910 psi, Max rate: 36 bpm, Max press: 6535 psi. Total 100 mesh 3026 lbs of 0.5-1 ppg, 30/50 99,238 lbs of 1-6 ppg. Avg HHP: 5,389. Total load to recover 1,311 bbls. Comments: 1. Mechanical pop off set at 9,000psi 2. Lost prime on GelPro suction pump, had to come off briefly to get GelPro lined out. 3. Lost prop conc at start of 5ppg sand stage, swapped compartments. 4. No other problems, overall good effort by crew. 5. Ball for s18 will be loaded through top of WH. LGC-36-5.3% (11.9), BC-200-3.3% (2.2), FR-66-33.9% (3.1), Scalechek-3.8% (5.6), Losurf 300D-12.6% (7) CLA-Web-16.3% (4.5), B-8630-9.2% (1) - JSA and safety meeting. Drop 3.310" ball through wellhead. Saw sleeve shift with 3629 psi. Pump 1649 bbl slick water. Frac stage 19 as follows:. Avg rate: 33 bpm, Avg press: 6706psi, Max rate: 35 bpm, Max press: 8533 psi. Total 100 mesh 3024 lbs of 0.5-1 ppg, 30/50 147,396 lbs of 1-6 ppg. Avg HHP: 5342. Total load to recover 1787 bbl. Comments: Mechanical pop off set at 9,000psi Drop S19 ball through wellhead and displace. Blender died on slick water pad after seating the ball. Replaced main and auxiliary fuel filters. Got back into job. XL slow to come on, had problems lining out XL chems. Had some pump related problems, had to change around rate on pumps. Had to slow the rate a little in flush, problems keeping up on the blender tub. Overall good job execution. Ball Seat Stage Pressures and Rate: 9099 psi @ 8.4 bpm , 6855 psi Pressure before Seating , 5470 psi Pressure after Seating LGC-36-5% (11.1), BC-200-15.6% (15.6), SP-4.3% (1.2), FR-66-43.4% (3.8), CL-31-74.4% (8.7) Losurf 300D-26.6% (19.9) B-8630-13.4% (2) - JSA and safety meeting. Drop 3.115" ball through wellhead. Saw sleeve shift with 1317 psi. Pump 1168 bbl slick water. Frac stage 18 as follows:. Avg rate: 32 bpm, Avg press: 6,064 psi, Max rate: 35 bpm, Max press: 7,605 psi. Total 100 mesh 2,995 lbs of 0.5-1 ppg, 30/50 84,494 lbs of 1-6 ppg. Avg HHP: 4,726. Total load to recover 1374 bbl. Comments: Mechanical pop off set at 9,000psi Blender died in the job on 4 ppa sand. Able to get back to finish. Blender died a second time on 6 ppa sand. Got going again and called job at that point, flushed well. Started to screen out in flush, able to control with rate. Wellbore flushed at 5 bpm, worked rate back up to 20 bpm to make sure lateral was clear before shutting down. Good recovery by the crew. Adds continue to be way off. Ball Seat Stage Pressures and Rate: 7078 psi @ 9.5 bpm , 4565 psi Pressure before Seating , 5761 psi Pressure after Seating LGC-36-22% (30.7), BC-200-50.5% (31.7), SP-8.5% (1.6), Optiflo II-5.8% (1.8), Losurf 300D-21.3% (12.3) CLA-Web-45.6% (13.2), B-8630-21.3% (2.5) - Start pumping stage 19. SD on pad to repair blender. - RD frac equipment. - 18:00 MIRU JW WL & Crane. 18:30 RU JW 4-1/16? 10K WL flange, tool trap, double WL BOP w/7/32? rams, 7-1/16? 10K lubricator. Function test BOP. Test OK. Weatherford test unit on location to test lubricator. Weatherford NU & torqued bolts on WL flange. PU tool string in lubricator, RU on well head. - Test lubricator to 8,000 psi for 5 min w/bottom manual frac valve closed. Leak off 400 psi in 8 min. Retest to 5,000 psi

for 5 min. Test OK. BO pressure. Open well. - SICP = 3,600 psi. TIH w/GR 3.625" OD x 0.17' long, JB 2-3/4" OD w/3.125" quick change connection x 5.88' long, Tekco CCL 3-1/8" OD x 2.50', Wt bar 3-1/8" OD x 6' long, Wt bar 2-3/4" OD x 5' long & Cable head 1-11/16" OD x 1' long. (Total tools length 20.55'). Correct off of TOL @ 7,798'. Continue TIH to 8,000'. Wellbore clean. POOH. - JSA and safety meeting. Drop 3.505" ball through wellhead. Saw sleeve shift with 664 psi. Pump 1073 bbl slick water. Frac stage 20 as follows:. Avg rate: 34 bpm, Avg press: 6199 psi, Max rate: 35 bpm, Max press: 6870 psi. Total 100 mesh 2995 lbs of 0.5-1 ppg, 30/50 87,064 lbs of 1-6 ppg. Avg HHP: 5105. Total load to recover 1208 bbl. Comments: Mechanical pop off set at 9,000psi Shortened up the stages a little, running light on prop. Good job execution by the crew. Ball Seat Stage Pressures and Rate: 6464 psi @ 9.5 bpm , 4764 psi Pressure before Seating , 5800 psi Pressure after Seating LGC-36-4.9% (6.5), BC-200-22.2% (13.1), SP-15% (2.6), FR-66-60.3% (4.6), CL-31-28.1% (2) Scalechek-16.8% (20.1), Optiflo II-19.1% (5.3), Losurf 300D-15.3% (6.9) CLA-Web-11.3% (2.5), B-8630-66.3% (6)
Daily Cost: $0
Cumulative Cost: $1,208,332

1/10/2013 Day: 14 **Completion**

Rigless on 1/10/2013 - TIH with kill plug #1, set @ 7,920' w/3,500 psi, TIH with kill plug #2, set @ 7,878' w/0 psi. Test 7-1/16" 10K BOP & FB equipment. Spot WOR, equipment. - 0045 Held PJSM. Kill Plug #1. RU WL. SICP= 3,500 PSI. TIH w/HES 4.500? OD Obsidian CBP #1, #10 setting tool 2-3/4? OD x 6.67? long, Tekco CCL 3-1/8" OD x 2.50', Wt bar 3-1/8" OD x 6' long, Wt bar 2-3/4" OD x 5' long & Cable head 1-11/16" OD x 1' long. (Total tools length 23.17'). Set plug in middle of three Jt @ 7,920' WLM w/3,500 psi. BO pressure slowly to 0 psig while POOH w/ WL. LD Tools. Recovered all tools. Negative for 30 min. Holding. - 02:45 Held PJSM. Kill Plug #2. RU WL. SICP= 0 PSI. TIH w/HES 4.500? OD Obsidian CBP #2, #10 setting tool 2-3/4? OD x 6.67? long, Tekco CCL 3-1/8" OD x 2.50', Wt bar 3-1/8" OD x 6' long, Wt bar 2-3/4" OD x 5' long & Cable head 1-11/16" OD x 1' long. (Total tools length 23.17'). Set plug in middle of second Jt @ 7,878' WLM w/0 psi. 03:28 POOH w/WL. 04:00 OOH w/ WL. SWI. LD tool string. Recovered all tools. Open well and installed TWCV into 4-1/2" casing hanger. RDMO JW WL & Crane. - MIRU B&G Crane. ND Rock Water 4-1/16? 10K ball catcher, Weatherford 4-1/16? 10K ?Crown? manual frac valve, flow cross w/dual 4-1/16? 10K gate valve outlets, 4-1/16? 10K ?Upper Master? manual frac valve, 4-1/16? 10K ?Lower Master? Hydraulic frac valve (HCR) & 7-1/16? 10K extended neck casing head adaptor to 4-1/16? 10K. - Continue to POOH w/GR/JB. OOH w/WL tools. SWI. LD tool string. Recovered all tools. Rock Water RU sand trap, plug catcher. - Rock Water waiting on hoses and connection to transfer water to working tanks. - Pressure test flow back equipment to 250 psi for 5 min / 10,000 psi for 10 min. Test OK. Spot MT State WOR, equipment, Hydraulic catwalk, pipe rack & Weatherford 10K pump. Complete FB testing. RDMO Weatherford test unit. - With the bottom manual valve closed, close the Blind Rams and test the top of the bottom manual valve, blind rams & outside choke line valve to 250 psig low for 5min / 10,000 psig high for 10 min with no departure through the kill line (2 manual valves). BO pressure, close the inside valve, open the bottom manual valve, open the outside valve & test the inside valve and shell test the bottom manual valve. Bleed off pressure & run a test sub through the BOPs screwing into the hanger. Stab the TIW on the test sub & close it so it can be tested at the same time. Close the lower 4-1/2" pipe BOPs and test them and the TIW to 250 psig low for 5min / 10,000 psig high for 10 min with no departure. Bleed off the pressure. Remove the TWCV. LD the test sub. Close the upper 4-1/2" pipe BOPs and test them to 250 psig low for 5min / 10,000 psig high for 10 min with no departure. Bleed off the pressure. Test the annular preventer to 250 psig low for 5 minutes/ 3500 psig high for 10 minutes. Bleed off the pressure and close the outside kill line valve. RU to the choke line. Test the outside kill line valve against the PTP to 250 psig low for 5min / 10,000 psig high for 10 min with no departure through the choke line. Bleed off pressure, close the inside valve, open the outside valve & test the inside valve. All tested OK. Bleed off the pressure. LD pup jt. RDMO B&G Crane. -

Remove TWCV and replace with a new one. - Finish ND frac stack. NU BOP stack as follows: 10K 7-1/16" Manual Frac Valve, 10K 7-1/16" pipe BOP with blind rams and double valved choke/kill outlets, 10K 7-1/16" flow cross with dual, double valved 2-1/16" outlets, 10K 7-1/16" pipe BOP with 4-1/2" rams, 5K 7 1/16? annular preventer. Test frac valve and blind rams against TWCV. TWCV leaking. - Wait on Cameron with long dry rod.
Daily Cost: $0
Cumulative Cost: $1,252,496

1/11/2013 Day: 15 **Completion**

Rigless on 1/11/2013 - Transfer Water, SD operation due to weather. Will continue operation in the a.m. - SD waiting for wind to die to rig up. Set 7500' new NFX tbg on racks. - No Activity - No Activity
Daily Cost: $0
Cumulative Cost: $1,283,651

1/12/2013 Day: 16 **Completion**

Rigless on 1/12/2013 - 0 - RD 4-1/2? TIW valve, and POOH while LOR is inspecting 4-1/2?, 13.5#, P-110 BTC casing while LD on pipe rack. LD 27.85' 4-1/2", 13.5#, P-110 BTC sub, 90 Jts (3,610') 4-1/2", 13.5#, P-110 BTC casing. Total length OOH = 3,638' EOT @ 4,148' w/BHA. - 1850 Finish circulation 300 Bbl of FW. - Spot in and rig up Frank?s csg crew. JSA and safety meeting about LD csg. PU 4 ?? pup. Check pressure on 4 ?? x 7? annulus, 0 psi. Blocks twisting in derrick. Shut down to work on drlg line. Open frac valve and blind rams. Screw pup into tbg hanger. Back out lock pins on tbg head. Sting out of PBR, pulled 140 k, string wt 128K. Remove tbg hanger. Install collar on 4 1/2" pipe. Install TIW valve and x-over swage. Displace hole with fresh water. - CO drlg line - JSA and safety meeting. RU Mountain States WOR. - Wait on daylight. - No Activity Due to Weather. Will continue Operation in the a.m.
Daily Cost: $0
Cumulative Cost: $1,318,255

1/13/2013 Day: 17 **Completion**

Rigless on 1/13/2013 - LD 106 jts 4-1/2" casing w/BHA 4,128', PU 254 jts 2-3/8' PH-6 tbg, tagged kill plug @ 7,879' "TM". Tie back blocks on 6 lines. - Continue PU 2-3/8" PH-6 tbg. 21:45 PU 67 Jts 2-3/8? PH-6 tbg (ttl 200 jts in hole) EOT @ 6,843?. 22:30 PU 40 Jts 2-3/8? PH-6 tbg (ttl 240 jts in hole) EOT @ 7,468'. (NFX 2-3/8" WS on bottom w/5.65' 2-3/8" PH-6 tbg sub between knight WS) 22:45 Moving Knight 2-3/8? PH-6 (WS) over to pipe rack, tallied 117 jts 2-3/8" PH-6 (Knight WS). 23:30 PU & RIH w/ 14 jts 2-3/8", 5.95#, P-110 PH-6 tbg. Tagged kill plug #2 w/254 jts @ 7,879' " TM". - SD. Waiting for another stabbing guide from Knight Oil Tools.. - PU 58 Jts 2-3/8? PH-6 (ttl 133 jts in hole) EOT @ 4,132?. Stabbing guide broke in half. Had a backup on location, it was for 2-7/8? tbg. Waiting for another stabbing guide from Knight Oil Tools.. ETA 1.5 hrs. - Continue POOH while LD 4-1/2' casing on pipe rack. LD 106 Jts (4,113') QN Nipple: 5.03" OD x 3.775" ID x 1.65' long, X/Over sub: 5.03" OD x 3.795" ID x 1.07' long, No Go: 5.836" OD x 3.795" ID x 0.91' long & Halliburton Seal Bore Assembly For Versa Flex Expandable Liner Hanger 5.317" OD x 3.795" ID x 11.85' long. Recovered all 4-1/2" casing/BHA. SWI. Recovered all 4-1/2" casing/BHA. SWI. Inspect seal assemble. Look good, no seals missing on seal assembly. - JSA and safety meeting. Change pipe rams from 4 ?? to 2 3/8?. Move 4 ?? frac string off racks to Runners yard. Function and pressure test lower pipe rams to 250 for 5 minutes, OK. BO pressure then pressure to 10,000 psi for 10 minutes, no leak off. Open rams. Function and pressure test upper pipe rams to 250 psi for 5 minutes, OK. Bleed off pressure then pressure to 10,000 psi. Found bonnet on wing

valve leaking. Repair valve. - Prep to RIH w/2-3/8" PH-6 tbg. - RDMO Franks casing equipment. - Clean, drift, and inspect threads on 2 3/8?, 5.95#, P110, PH-6 work string. JSA and safety meeting. Discussed proper jt make up. PU 3.75? OD x 1.25? ID x 1.49?L blade mill, 2.86? OD x 1? ID x 2.18? L coil style dual back pressure valve, 1 jt 2 3/8, 5.95#, P110, PH-6 2.90? OD x 1.71? ID x .75? L `RN? nipple and 50 jts 2 3/8?, 5.95#, P110, PH-6 work string. Fill tbg and break circulation. RIH w/ttl 75 jts 2-3/8" PH-6.
Daily Cost: $0
Cumulative Cost: $1,354,838

1/14/2013 Day: 18 **Completion**

Rigless on 1/14/2013 - RU power swivel, HSM, JSA for DO plugs, DO kill plug #2, kill plug #1, frac sleeve 19,18,17,16,15,14,13,12,11,10,9,8,7 & 6. - PU 6 jts. 09:50 Tag frac sleeve #17. EOT 9,278? on jt# 299. Pick up weight 30K, Hanging weight 28K, Slack off weight 26K. 3 BPM in -3.6 BPM out. Tbg 4400 psi. Well head 2800 psi on 22/64 choke. WOB 5K, 120 RPM. 6 minutes to drill sleeve. Pump 1-10 bbl sweep. Light oil, and light sand in returns. - PU 6 jts. 09:12 Tag frac sleeve #18. EOT 9,083? on jt# 293. Pick up weight 30K, Hanging weight 28K, Slack off weight 26K. 3 BPM in -3.6 BPM out. Tbg 4400 psi. Well head 2800 psi on 23/64 choke. WOB 5K, 120 RPM. 3 minutes to drill sleeve. Pump 1-10 bbl sweep. Light oil, and light sand in returns. - JSA and safety meeting. PU 32 jts. 08:15 Tag frac sleeve #19 EOT 8,886? on jt# 287. Pick up weight 30K, Hanging weight 28K, Slack off weight 26K. 3 BPM in -3.6 BPM out. Tbg 4300 psi. Well head 2800 psi on 24/64 choke. WOB 5K, 120 RPM. 25 minutes to drill sleeve. Pump 1-10 bbl sweep. Light oil, and light sand in returns - Circulate 100 bbls at 3 bpm, 4,200 psi. Holding 4,100 psi on 22/64" choke, while rotating and working pipe. PU WT 50K, SO WT 44K, NEUT 48K, Torque drilling 1,000 PSI. FS 1,200 PSI. 05:30. PU & RIH w/2-3/8" PH-6 tbg while rotating at 60 rpm to frac sleeve #19 - 04:30 - 04:57 Tagged kill plug #1 @ 7,920' TBGM. (Ttl 255 jts) start drilling plug Pump Rate 2.2 bpm 4,600 psi, 14/64 choke holding 3,950 psi back pressure on 14/64" choke. Drilled through plug #1 in 27 mins w/3,400 psi. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 50K, SO WT 44K, NEUT 48K, Torque drilling 1,400 PSI. FS 1,200 PSI, rotating 120 rpm. Continue TIH to frac sleeve #19. - 04:03 - 04:14 Tagged kill plug # 2 @ 7,879' "TM". (ttl 254 jts). Start drilling plug Pump Rate 2.2 bpm 4,200 psi, holding 3,000 psi back pressure on 18/64? choke. Drilled through kill plug #2 in 11 mins. Backside 3,000 PSI, Pump 10 bbl sweep and while rotating and working pipe. PU WT 50K, SO WT 44K, NEUT 48K, Torque drilling 1,400 PSI. FS 1,200 PSI, rotating 120 rpm. Continue TIH to kill plug #1. - HSM, JSA on DO kill plugs. Cold weather. - Continue to RU power swivel on Jt #254. - SD and waiting for Basic to bring a Kelly cock to location. - Continue to tie back blocks to 6 lines, RU power swivel. 00:36 While RU power swivel hands notice there wasn?t a Kelly cock on power swivel. SD and waiting for Basic to bring one to location. - PU 6 jts. 13:58 Tag frac sleeve #11. EOT 10,450? on jt# 337. Pick up weight 32K, Hanging weight 29K, Slack off weight 28K. 3 BPM in -3.6 BPM out. Tbg 5400 psi. Well head 2700 psi on 18/64 choke. WOB 5K, 120 RPM. 6 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Pump 63 - PU & RIH while swiveling in 7 jts 2-3/8" PH-6. To frac sleeve #7 - PU 6 jts. 21:55 Tag frac sleeve #6. EOT 11,426? on jt# 368. Pick up weight 48K, Hanging weight 45K, Slack off weight 44K. 3 BPM in/3 BPM out. Tbg 4,600 psi. Well head 2,900 psi on 16/64 choke. WOB 1 to 2K, 120 RPM. Torque drilling 1,900 PSI. FS 1,700 PSI. 110 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 359 bbl. Pump 10 bbl sweep. NOTE: PU jt 368, start to pump and fluid started coming out of tbg. LD jt #368. Found 2 perf's hole in Knights (WS, inventory #KP5U230). (Frist hole from the box end is 12? 1-3/4? and the second hole is 12? 7-3/4?. Hole size ?? round.) Continue TIH to frac sleeve #5. - PU 6 jts. 18:50 Tag frac sleeve #7. EOT 11,232? on jt# 362. Pick up weight 48K, Hanging weight 45K, Slack off weight 44K. 3 BPM in/3 BPM out. Tbg 4,500 psi. Well head 2,600 psi on 19/64 choke. WOB 4K, 120 RPM. Torque drilling 1,900 PSI. FS 1,700 PSI. 128 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing

cuttings to surface with each sweep throughout the night. Pump 375 bbl. Pump 10 bbl sweep. Continue TIH to frac sleeve #6. - Finish circulating hole clean w/350 bbls FW, 2 10 bbl sweep. 18:05 PU & RIH while swiveling in 2-3/8" PH-6. To frac sleeve #7 - PU 7 jts. 16:08 Tag frac sleeve #8. EOT 11,037? on jt# 356. Pick up weight 33K, Hanging weight 30K, Slack off weight 26K. 3 BPM in -3.2 BPM out. Tbg 4500 psi. Well head 2700 psi on 18/64 choke. WOB 8K, 120 RPM. 78 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the day. Pump 240 bbl. Pump 10 bbl sweep. Circ BU - PU 7 jts. 15:30 Tag frac sleeve #9. EOT 10,841? on jt# 350. Pick up weight 33K, Hanging weight 30K, Slack off weight 26K. 3 BPM in -3.2 BPM out. Tbg 4500 psi. Well head 2700 psi on 18/64 choke. WOB 5K, 120 RPM. 7 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Pump 56 bbl. - PU 6 jts. 14:50 Tag frac sleeve #10. EOT 10,645? on jt# 343. Pick up weight 33K, Hanging weight 29K, Slack off weight 26K. 3 BPM in -3.2 BPM out. Tbg 4500 psi. Well head 2600 psi on 18/64 choke. WOB 5K, 120 RPM. 6 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Pump 66 bbl. - PU 6 jts. 12:34 Tag frac sleeve #12. EOT 10,257? on jt# 331. Pick up weight 32K, Hanging weight 30K, Slack off weight 28K. 3 BPM in -3.5 BPM out. Tbg 4400 psi. Well head 2700 psi on 20/64 choke. WOB 5K, 120 RPM. 8 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Pump 66 bbl. - PU 5 jts. 12:34 Tag frac sleeve #13. EOT 10,065? on jt# 324. Pick up weight 32K, Hanging weight 30K, Slack off weight 28K. 3 BPM in -3.6 BPM out. Tbg 4400 psi. Well head 2700 psi on 20/64 choke. WOB 5K, 120 RPM. 6 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Pump 64 bbl. - PU 7 jts. 11:50 Tag frac sleeve #14. EOT 9,868? on jt# 319. Pick up weight 32K, Hanging weight 30K, Slack off weight 28K. 3 BPM in -3.8 BPM out. Tbg 4400 psi. Well head 2700 psi on 20/64 choke. WOB 5K, 120 RPM. 7 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. - PU 7 jts. 11:01 Tag frac sleeve #15. EOT 9,671? on jt# 312. Pick up weight 31K, Hanging weight 29K, Slack off weight 28K. 3 BPM in -3.8 BPM out. Tbg 4400 psi. Well head 2600 psi on 22/64 choke. WOB 5K, 120 RPM. 4 minutes to drill sleeve. Pump 1-10 bbl sweep. Light oil, and light sand, and little gas in returns. - PU 6 jts. 10:29 Tag frac sleeve #16. EOT 9,475? on jt# 305. Pick up weight 31K, Hanging weight 29K, Slack off weight 28K. 3 BPM in -3.6 BPM out. Tbg 4400 psi. Well head 2800 psi on 22/64 choke. WOB 5K, 120 RPM. 4 minutes to drill sleeve. Pump 1-10 bbl sweep. Light oil, and light sand in returns.

Daily Cost: $0

Cumulative Cost: $1,577,118

1/15/2013 Day: 19 **Completion**

Rigless on 1/15/2013 - DO Frac sleeve #5, 4, 3, 2 & 1, CO to PBTD @12,628' "TM", 2 BU w/650 bbls FW, RD power swivel, POOH. LD, land tbg hanger, RU snubbing unit, pressure test bottom pipe rams. - PU 8 jts. 03:03 Tag frac sleeve #1. EOT 12,447? on jt# 402. Pick up weight 42K, Hanging weight 38K, Slack off weight 32K. 2.8 BPM in/3 BPM out. Tbg 4,800 psi. Well head 3,100 psi on 19/64 choke. WOB 1 to 3K, 120 RPM. Torque drilling 2,700 PSI. FS 2,100 PSI. 13 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 60 bbl. Pump 10 bbl sweep. Continue TIH to PBTD 12,616'. - PU 7 jts. 00:15 Tag frac sleeve #5. EOT 11,622? on jt# 375. Pick up weight 48K, Hanging weight 45K, Slack off weight 44K. 3 BPM in/3 BPM out. Tbg 4,600 psi. Well head 2,800 psi on 19/64 choke. WOB 1 to 3K, 120 RPM. Torque drilling 2,700 PSI. FS 2,000 PSI. 18 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 45 bbl. Pump 10 bbl sweep. Continue TIH to frac sleeve #4. - PU 6 jts. 01:35 Tag frac sleeve #3. EOT 12,008? on jt# 387. Pick up weight 50K, Hanging weight 46K, Slack off weight 42K. 3 BPM in/3 BPM out. Tbg 4,800 psi. Well head 3,150 psi on 19/64 choke. WOB 1 to 3K, 120 RPM. Torque drilling 2,800 PSI. FS 1,900 PSI. 15 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and

light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 45 bbl. Pump 10 bbl sweep. Continue TIH to frac sleeve #2. - PU 6 jts. 00:55 Tag frac sleeve #4. EOT 11,819? on jt# 381. Pick up weight 48K, Hanging weight 45K, Slack off weight 44K. 3 BPM in/3 BPM out. Tbg 4,800 psi. Well head 3,000 psi on 19/64 choke. WOB 1 to 3K, 120 RPM. Torque drilling 2,700 PSI. FS 2,100 PSI. 15 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 45 bbl. Pump 10 bbl sweep. Continue TIH to frac sleeve #3. - PU 5 jts. 03:45 Tag PBTD. EOT 12,628? "TM" on jt #407 16' in. Pick up weight 42K, Hanging weight 38K, Slack off weight 32K. 2.8 BPM in/2.8 BPM out. Tbg 4,800 psi. Well head 2,800 psi on 19/64 choke. 60-80 RPM. FS 1,600 PSI. Pump 1-20 bbl sweep, 50 bbl spacer &30 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Circulate 268 Bbls of FW. - Circulate 232 bbl fresh water(2.5+ bottoms up).Ttl 600 bbl circulated. SIP 2800 psi. - Hang swivel in derrick. LD155 jts 2 3/8" 5.95# P110 PH6 work string. Tie back on double fast. LD 97 jts tbg. - LD power swivel. Install tbg hanger with TWCV. - PU 7 jts. 02:24 Tag frac sleeve #2. EOT 12,206? on jt# 394. Pick up weight 48K, Hanging weight 44K, Slack off weight 40K. 2.8 BPM in/3 BPM out. Tbg 4,600 psi. Well head 3,200 psi on 19/64 choke. WOB 1 to 3K, 120 RPM. Torque drilling 2,700 PSI. FS 2,100 PSI. 9 minutes to drill sleeve. Pump 1-10 bbl sweep. Paraffin, light oil, and light sand, and little gas in returns. Have been seeing cuttings to surface with each sweep throughout the night. Pump 35 bbl. Pump 10 bbl sweep. Continue TIH to frac sleeve #1. - 23:54 MIRU Weatherford test unit, pressure testing bottom 2-3/8? pipe rams on snubbing unit to 200 psi for low, for 5 min. Currently holding pressure for low test. - 18:24 Currently landing 7-1/16? x 2-3/8? 8rd tbg hanger w/TWCV in place, secure lock-in-pin. Pressure test hanger to 6,400 psi for 5 min. Holding. BO pressure. 20:37 RD rig floor. RU MT States snubbing unit, RNI & 4-C hauling off flowback water & pit water - HSM, JSA. Reviewing on PPE, landing tbg hanger, RU snubbing unit, testing same. Smoking area, excape route, pin point & cold weather

Daily Cost: $0

Cumulative Cost: $1,610,493

1/16/2013 Day: 20 **Completion**

Rigless on 1/16/2013 - Continue testing BOP stack on Snubbing Unit. Snubbed OOH w/106 jt 2-3/8' PH-6 tbg, SD to repair snubbing unit. Snubbed back in hole w/2 jts of 2-3/8' PH-6 tbg, secure well. Will continue snubbing Op's in the a.m. - Equalize pressure on stack.3000 psi on well head. Back out lock pins on tbg hanger. Strip tbg hanger through BOP stack and snubbing unit stack. Remove tbg hanger. - Snub OH with 106 jts 2 3/8" 5.95# P110 PH6 work string. - Snubbing unit broke down. - PU and snubbed 2 jts 2-3/8? PH-6 tbg in hole. (ttl 51 jts) EOT @ 1,649? ?TM? Closed all pipe rams on snubbing unit, Weatherford pipe rams & lock in same. Installed 2 TIW valve on top of 2-3/8" PH-6 tbg, secure well. SD overnight. - 00:01 Continue to get a low pressure test on bottom set of 2-3/8? pipe rams on snubbing unit. Bottom pipe rams would not hold. SD to repair Mt States snubbing unit 2-3/8" pipe rams. 4-C continue to haul off flowback water. Sent drivers home due to proper PPE. (No FR) - Test lower pipe rams in snubbing unit to 250 psi for 5 minutes, OK. Test upper pipe rams to 250 psi for 5 minutes, OK. - Retest to 250 psi, would not 0hold. Tried several time w/no results. Change over to test 2-3/8" pipe rams to 5,000 psi, will not hold, leaks off 200 psi in 45 sec. BO pressure. To work hydraulic on BOP several time, closed pipe rams, lock in same. Retest bottom 2-3/8" pipe rams to 5,000 psi for high, for 10 min. Good test. BO pressure. Unlock bottom 2-3/8" pipe rams. Closed top 2-3/8" pipe rams and lock in same. Pressure test top 2-3/8" pipe rams to 5,000 psi for high, for 10 min. Good test. BO pressure. Unlock & open top rams. Closed annular BOP. Pressure test to 3,000 psi for high, for 10 min. Good test. BO pressure. RU test unit to do low test. Pressure test annular BOP to 250 psi for low, for 5 min.OK - 00:35 SD to repair bottom set of 2-3/8" pipe rams on snubbing unit. Will continue testing bottom set of 2-3/8? pipe rams on snubbing unit after repairs. (Door seals leaking). Had to go to Vernal to get a set of door seals for BOP. Install new door seal on bottom of 2-3/8" pipe rams on snubbing

unit. - No Activity. MT States on location doing rig maintenance and well watch. Sent flowback hands back to motel till morning. Will continue snubbing opertaion in the a.m.
Daily Cost: $0
Cumulative Cost: $1,662,903

1/17/2013 Day: 21 **Completion**

Rigless on 1/17/2013 - Continue snubbing OOH, RDMMO snubbing unit, RIH w/JB/GR, RIH w/Production Packer - Wait on Weatherford to bring fluid for test pump. - Test lubricator to 5000 psi for 5 minutes, OK. - 17:56 Open Well. SICP=3,000 psi. RIH w/2-7/8" N-80 WLEG: 3.688" OD w/2.625" ID x 0.42' long, 2-7/8" Ceramic burst disc sub: 2.875" OD w/2.441" ID x 0.77' long, 2-7/8", 6.5#, N-80 tbg sub: 2.875" OD w/2.441" ID x 4.18' long, 2-7/8" XN profile nipple w/2.313" ID x 1.27' long and w/pump through plug in place, 2-7/8", 6.5#, L-80 tbg sub: 2.875" OD w/2.441" ID x 4.18' long, Weatherford 7" 10K AS1 pkr: 6.000" OD w/2.313" ID x 8.08' long w/2.875" OD w/2.313" ID profile seal Nipple, 7" x 2-7/8" on/off skirt (ttl tool length 19.38'), setting sleeve 4" OD x 2' long, 3-1/8" baker #20 setting tool x 6' long, 3-1/8" CCL x 2' long & 1-11/16" cable head x 1 ' long. RIH at 150 ft/min. 18:54 Set Weatherford AS1X Packer @ 7,710? ?WLM?. BO well pressure to 0 psi while POOH w/WL. 19:30 OOH w/WL. SWI. LD tool string. RDMO JW WL and crane. - NU 7-1/16? 5K annular BOP, swap out pipe rams from 2-3/8? to 2-7/8?. Torque bolts on annular BOP. RU rig floor. - Spot in WL trk. NU WL BOP.Function test WL rams. PU 6.00? gauge ring 6" OD x 1.5'L, junk basket 2 3/4" OD x 6'L, CCL 2" OD x 2' L, weight bar 2 3/4" OD x 5'L, weight bar 2" od X 7'l, and cable head 1.5"OD x 2'L. PU lubricator. Pressure test lubricator to 5000 psi for 5 minutes, OK. RIH with gauge ring to liner top at 7787?. POH. LD gauge ring and junk basket. PU Weatherford AS1X pkr. - No Activity. MT States snubbing unit broke down and could not get OOH before dark. Will continue snubbing Op's in the a.m. - Wait on daylight to snub WS OH. - Open pipe rams. Snub 51 jts 2 3/8? WS OH. LD `R? nipple, dual back pressure valve and 4 blade mill. Mill OD when picked up 3.749?. After running OD 3.746?. Mill showed medium wear on OD. - RD snubbing unit's.
Daily Cost: $0
Cumulative Cost: $1,699,233

1/18/2013 Day: 22 **Completion**

Rigless on 1/18/2013 - RIH w/2-7/8" Production tbg, Circulate Packer fluid, Land tbg w/tbg hanger, ND BOP stack, NU Production Tree. - ND 7-1/16" 10K double BOP & 7-1/16" 10K manual frac valve. - 00:36 Called Weatherford for two 2-7/8" 8rd TIW valves. 00:45 MIRU Weatherford test Unit. PU 2-7/8? mandrel and ran through the BOP to the bottom set of rams, test bottom 2-7/8" pipe rams to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 10K for high, for 10 min. Test OK. BO pressure. Test top 2-7/8" pipe rams to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 10K for high, for 10 min. Test OK. BO pressure. Test annular BOP to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 3,500 psi for high, for 10 min. Test OK. BO pressure. LD test manual. Test is complete. - Waiting on 2-7/8" 8rd TIW valves from Weatherford - PU & RIH w/On/Off tool overshot (skirt) for 7" packer, 1.48' long, 1 jt 2-7/8", 6.5#, EUE L-80, 32.42' long, 2-7/8" EUE X Nipple w/2.313" ID, 1.17' long & 23 jts 2-7/8", 6.5#, EUE L-80. EOT @ 750' "TM". Will continue to PU tbg. - NU Cameron 10K Production Tree. - Continue RU rig floor. Tallied 46 jts 2-7/8", 6.5#, EUE L-80 tbg. - Pressure test TWCV & extended neck tbg hanger to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 10,000 psi for high, for 10 min. Test OK. BO pressure. Pressure test complete. NOTE: all pressure testing done w/charts. - RD rig floor. Plan is to RD rig floor, ND 7-1/16? 5K annular BOP, 7-1/16? 10K single BOP & 7-1/16? 10K flow cross. Open blind rams. Installed TWCV into tbg hanger. - PU 170 jts 2 7/8? 6.50# N-80 EUE 8rd tbg. Circulate paraffin OH with 50 bbl pkr fluid.PU 46 jts 2 7/8? 6.50# N-80 EUE 8rd tbg. Tag pkr on/off tool at 7706'. LD 2 jts. Space out with 1-8?x 2 7/8? 6.50# N-80 EUE 8rd

pup, 1-2? x 2 7/8? 6.50# N-80 EUE 8rd pup, and 1 jt 2 7/8? 6.50# L-80 EUE 8rd tbg. Ttl 238 jts IH. Haul in more water for pkr fluid. Heat water and add biocide and corrosion inhibitor. - Displace hole with 300 bbl water with corrosion inhibitor and biocide. - Crew swap. HSM, JSA. Reviewing PPE, ND procedure, NU Production tree. Smoking area, Slip and fall, escape route - 06:39 Finish circulation packer fluid.. Installed 7-1/16? x 2-7/8? tbg hanger. Land tbg hanger, latch onto packer w/8K compression. Pick up weight 70K, Hanging weight 66K, Slack off weight 60K. PU tbg 9,000 lbs over string wt to 79K. Land tbg hanger, secure lock-in-pin. - 19:25 Pressure test annulus to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 5,000 psi for high, for 10 min. Test OK. BO pressure. Closed blind rams. Pressure test annulus complete.
Daily Cost: $0
Cumulative Cost: $1,830,954

1/19/2013 Day: 23 **Completion**

Rigless on 1/19/2013 - Pressure test Production Tree, RD Mt States WOR. RU Frontier SL, TIH, Retrieved Weatherford pump though plug in XN Nipple. - Cameron testing void to 10,000 psi for 10 min, Test OK. BO pressure. Weatherford RU on top of Production Tree, shell test Production Tree to 250 psi for low, for 5 min. Test OK. BO pressure. Test same to 10,000 psi for high, for 10 min. Test OK. BO pressure. Pulled TWCV. Secure Well. RDMO Weatherford Test Unit. Released Cameron. - Redressing GS pulling tool. - MIRU Frontier SL. TIH w/ Equalizing Prong w/1-1/4" OD x 3/4" OD x 13" long, GS pulling tool: 2.25" OD x 12" long, LSS: 1-1/2" OD x 5' long, Wt bar: 1-1/2" OD x 10' long & RS: 1-1/2" OD x 6" long on bottom of .092" wire. Tagged plug @ 7,700' "SLM". Sting into plug w/equalizing prong and equalizing across plug w/ 600 psi under plug. Pressure BO to 0 psi, tried to pull plug w/no results. POOH w/tool string. SWI. LD tools. Found GS Pulling tool sheared. Attempt #1 - RD Mt States WOR. - HSM, JSA w/location. Reviewing PPE, RD WOR, RU SL, Smoking area, Icy location, trip and fall, pin point & escape route - Well Has Been Completed and Turned over to production ? All Equipment and Vendors have Been released from location. Release Mountain Stages Rig Pump Tank + Pipe Racks ? Released Weatherford 10K Pump, Returned 8 Bad Jts 2 7/8 pipe and heavy Pipe racks back to Runners , Released Weatherford BOP stack and X over to Vernal , Returned Halliburton Seal assembly back to Vernal, Rig Down and release all Rock Water flow back iron and Water transfer lines , Returned RBS Crossover subs, Released R Mair / Usanco Trash and porta potties. Released Office Trailer and Equipment off location Moving it to the Evelyn Location. Released Gate Guard and office also to Evelyn location. 4-C Trucking Empty remaining Fluid from frac tanks. Still on Location Weatherford Accumulator Western well Service will pick it up Tomorrow and return it back to WFD Shop In vernal 15 Rain for rent frac tanks & 3 Flow Back tanks Tank # 259657 full of water frozen solid . will get hot oiler and empty ASAP. - Conitue to RDMO Mt States WOR, equipment. - Attempt #2. TIH w/ Equalizing Prong w/1-1/4" OD x 3/4" OD x 13" long, GS pulling tool: 2.25" OD x 12" long, LSS: 1-1/2" OD x 5' long, Wt bar: 1-1/2" OD x 10' long & RS: 1-1/2" OD x 6" long on bottom of .092" wire. Tagged plug @ 7,710' "SLM". Sting into plug w/equalizing prong and equalizing across plug w/ 0 psi under plug. Latch onto plug, jar several time and pulled plug free. POOH w/plug & tool string. OOH w/SL. SWI. BO pressure. LD tools. Plug on surface, recovered all tools. RDMO Frontier SL.
Daily Cost: $0
Cumulative Cost: $1,928,414

2/2/2013 Day: 25 **Completion**

Rigless on 2/2/2013 - Capture Costs in DCR - Capture Costs in DCR
Daily Cost: $0
Cumulative Cost: $1,998,367

3/2/2013 Day: 28 **Completion**

Rigless on 3/2/2013 - Capture costs in DCR - Capture costs in DCR 3/2/13
Daily Cost: $0
Cumulative Cost: $2,121,708

Pertinent Files: Go to File List